

## Nevada's Information Technology Career Cluster



# Table of Contents

# Page

|   |     |
|---|-----|
| Index.....  | 3   |
| Occupation Analysis.....  | 8   |
| Career Cluster Occupational Summary.....                              | 9   |
| Individual Occupation Analysis.....                                   | 12  |
| Educational Program Analysis.....                                     | 52  |
| Career Cluster Educational Summary.....                               | 53  |
| Individual Educational Program Analysis.....                          | 54  |
| Methodology.....  | 205 |
| Data Sources.....   | 207 |
| Data Limitations.....   | 211 |
| Appendices.....   | 213 |
| Appendix A: Occupational Summary Table, Sorted by In-Demand Rank..... | 213 |
| Appendix B: Program Summary Table, Sorted by 2020 Completions.....    | 215 |

# Index

## Occupations

|  | <b>Page</b> |
|--|-------------|
| Computer Network Architects (15-1241).....   | 32          |
| Computer Network Support Specialists (15-1231).....  | 26          |
| Computer Occupations, All Other (15-1299).....   | 44          |
| Computer Programmers (15-1251).....  | 38          |
| Computer Systems Analysts (15-1211).....   | 20          |
| Computer User Support Specialists (15-1232).....   | 28          |
| Data Scientists and Mathematical Science Occupations, All Other (15-2098).....               | 51          |
| Database Administrators and Architects (15-1245).....  | 36          |
| Information Security Analysts (15-1212).....   | 23          |
| Market Research Analysts and Marketing Specialists (13-1161).....                            | 12          |
| Network and Computer Systems Administrators (15-1244).....                                   | 34          |
| Project Management Specialists and Business Operations Specialists, All Other (13-1198)..... | 15          |
| Software Developers and Software Quality Assurance Analysts and Testers (15-1256)...         | 40          |
| Web Developers and Digital Interface Designers (15-1257).....                                | 42          |

## Educational Programs

|   | <b>Page</b> |
|---|-------------|
| Accounting and Business/Management (52.0305).....                                     | 183         |
| Accounting and Computer Science (30.1601).....  | 131         |
| Accounting and Related Services, Other (52.0399).....                                 | 185         |
| Advertising (09.0903).....  | 72          |
| Animation, Interactive Technology, Video Graphics, and Special Effects (10.0304)..... | 74          |
| Applied Economics (45.0602).....  | 151         |
| Applied Mathematics, General (27.0301).....   | 126         |
| Architectural and Building Sciences/Technology (04.0902).....                         | 62          |
| Area Studies, Other (05.0199).....  | 67          |
| Asian Studies/Civilization (05.0103).....   | 64          |
| Building Construction Technology/Technician (46.0415).....                            | 155         |

## Educational Programs

## Page

|   |     |
|---|-----|
| Business Administration and Management, General (52.0201).....                                  | 172 |
| Business Administration, Management and Operations, Other (52.0299).....                        | 181 |
| Business, Management, Marketing, and Related Support Services, Other (52.9999).....             | 203 |
| Business/Commerce, General (52.0101).....   | 170 |
| Business/Office Automation/Technology/Data Entry (52.0407).....                                 | 187 |
| Communication, General (09.0100).....   | 68  |
| Computer and Information Sciences and Support Services, Other (11.9999).....                    | 106 |
| Computer and Information Sciences, General (11.0101).....                                       | 75  |
| Computer and Information Sciences, Other (11.0199).....   | 79  |
| Computer and Information Systems Security/Auditing/Information Assurance<br>(11.1003).....      | 98  |
| Computer Engineering Technology/Technician (15.1201).....                                       | 113 |
| Computer Engineering, General (14.0901).....  | 107 |
| Computer Graphics (11.0803).....  | 91  |
| Computer Programming, Specific Applications (11.0202).....                                      | 81  |
| Computer Programming/Programmer, General (11.0201).....   | 80  |
| Computer Science (11.0701).....   | 87  |
| Computer Software and Media Applications, Other (11.0899).....                                  | 92  |
| Computer Support Specialist (11.1006).....  | 103 |
| Computer Systems Analysis/Analyst (11.0501).....  | 84  |
| Computer Systems Networking and Telecommunications (11.0901).....                               | 94  |
| Computer/Computer Systems Technology/Technician (15.1202).....                                  | 114 |
| Computer/Information Technology Services Administration and Management, Other<br>(11.1099)..... | 104 |
| Criminal Justice/Law Enforcement Administration (43.0103).....                                  | 138 |
| Criminal Justice/Safety Studies (43.0104).....  | 140 |
| Crisis/Emergency/Disaster Management (43.0302).....   | 145 |
| Cyber/Computer Forensics and Counterterrorism (43.0403).....                                    | 146 |
| Data Entry/Microcomputer Applications, General (11.0601).....                                   | 86  |
| Data Modeling/Warehousing and Database Administration (11.0802).....                            | 90  |

## Educational Programs

|   | <b>Page</b> |
|---|-------------|
| Data Processing and Data Processing Technology/Technician (11.0301).....                                      | 82          |
| Design and Applied Arts, Other (50.0499).....   | 165         |
| Design and Visual Communications, General (50.0401).....  | 161         |
| Digital Arts (50.0102).....   | 159         |
| E-Commerce/Electronic Commerce (52.0208).....   | 178         |
| Economics, General (45.0601).....   | 149         |
| Energy Systems Technology/Technician (15.1701).....   | 115         |
| Entrepreneurial and Small Business Operations, Other (52.0799).....   | 191         |
| Entrepreneurship/Entrepreneurial Studies (52.0701).....   | 188         |
| Environmental Control Technologies/Technicians, Other (15.0599).....  | 110         |
| Environmental Science (03.0104).....  | 58          |
| Environmental Studies (03.0103).....  | 56          |
| Environmental/Natural Resources Management and Policy, General (03.0201).....                                 | 60          |
| Fashion Merchandising (52.1902).....  | 202         |
| Game and Interactive Media Design (50.0411).....  | 164         |
| General Studies (24.0102).....  | 120         |
| Geographic Information Science and Cartography (45.0702).....   | 154         |
| Geography (45.0701).....  | 152         |
| Geology/Earth Science, General (40.0601).....   | 136         |
| German Studies (05.0125).....   | 66          |
| Graphic Communications, General (10.0301).....  | 73          |
| Graphic Design (50.0409).....   | 163         |
| Health Information/Medical Records Administration/Administrator (51.0706).....                                | 166         |
| Health Information/Medical Records Technology/Technician (51.0707).....                                       | 167         |
| Health Services Administration (51.2211).....   | 168         |
| Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/<br>Technician (47.0201)..... | 157         |
| Homeland Security, Law Enforcement, Firefighting and Related Protective Services,<br>Other (43.9999).....     | 148         |
| Information Science/Studies (11.0401).....  | 83          |

## Educational Programs

|   | <b>Page</b> |
|---|-------------|
| Information Technology (11.0103).....   | 77          |
| Information Technology Project Management (11.1005).....                        | 101         |
| International Business/Trade/Commerce (52.1101).....                            | 193         |
| International/Globalization Studies (30.2001).....                              | 132         |
| Latin American Studies (05.0107).....   | 65          |
| Liberal Arts and Sciences, General Studies and Humanities, Other (24.0199)..... | 122         |
| Liberal Arts and Sciences/Liberal Studies (24.0101).....                        | 118         |
| Logistics, Materials, and Supply Chain Management (52.0203).....                | 174         |
| Management Information Systems and Services, Other (52.1299).....               | 196         |
| Management Information Systems, General (52.1201).....                          | 195         |
| Manufacturing Engineering Technology/Technician (15.0613).....                  | 111         |
| Marketing/Marketing Management, General (52.1401).....                          | 198         |
| Mass Communication/Media Studies (09.0102).....                                 | 70          |
| Mathematics, General (27.0101).....   | 124         |
| Multi-/Interdisciplinary Studies, General (30.0000).....                        | 128         |
| Multi-/Interdisciplinary Studies, Other (30.9999).....                          | 134         |
| Natural Resources/Conservation, General (03.0101).....                          | 54          |
| Network and System Administration/Administrator (11.1001).....                  | 96          |
| Non-Profit/Public/Organizational Management (52.0206).....                      | 177         |
| Operations Management and Supervision (52.0205).....                            | 176         |
| Project Management (52.0211).....   | 179         |
| Sales, Distribution, and Marketing Operations, General (52.1801).....           | 200         |
| Securities Services Administration/Management (43.0112).....                    | 144         |
| Security and Loss Prevention Services (43.0109).....                            | 142         |
| Small Business Administration/Management (52.0703).....                         | 190         |
| Solar Energy Technology/Technician (15.1703).....                               | 116         |
| Statistics, General (27.0501).....  | 127         |
| System, Networking, and LAN/WAN Management/Manager (11.1002).....               | 97          |
| Systems Science and Theory (30.0601).....                                       | 130         |

**Educational Programs**

**Page**

|  |     |
|--|-----|
| Telecommunications Technology/Technician (15.0305).....                      | 109 |
| Web Page, Digital/Multimedia and Information Resources Design (11.0801)..... | 89  |
| Web/Multimedia Management and Webmaster (11.1004).....                       | 100 |



# Information Technology Career Cluster

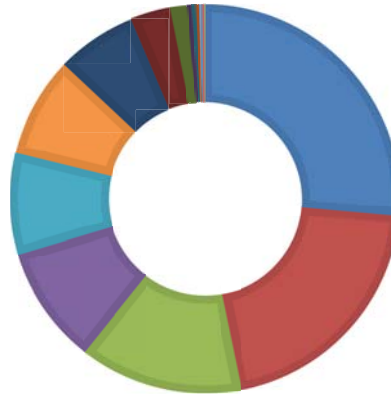
## *Occupation Analysis*



## Information Technology Career Cluster Occupational Summary

|   |                                  |                             |
|---|----------------------------------|-----------------------------|
| <b>40,039</b>                             | <b>6,372</b>                     | <b>\$36.18</b>              |
| Jobs (2020)                               | Total Program Completions (2020) | Avg. Hourly Earnings (2020) |
| 22,522 jobs <b>below</b> National average | 4,093 Openings (2020)            | National Average: \$43.83   |

### 2020 Program Completions



**99**

Programs (2020)

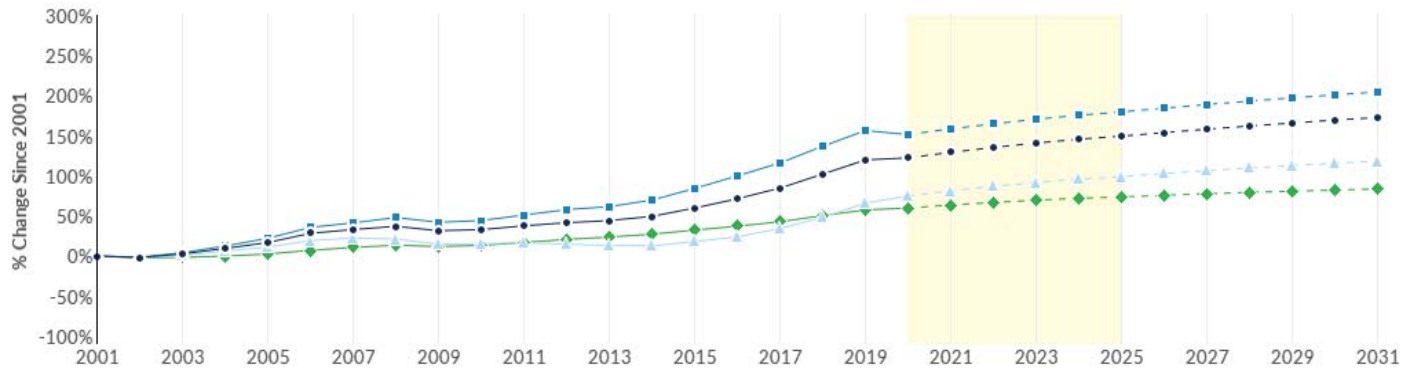
**17**

Institutions (2020)

| Institution                           | Completions (2020) | Growth % YOY (2020) |
|---------------------------------------|--------------------|---------------------|
| College of Southern Nevada            | 2,136              | 4.0%                |
| University of Nevada-Las Vegas        | 1,318              | 9.7%                |
| University of Nevada-Reno             | 1,047              | 1.4%                |
| Truckee Meadows Community College     | 761                | 12.2%               |
| Western Nevada College                | 460                | 1.1%                |
| Great Basin College                   | 146                | 6.6%                |
| Advanced Training Institute           | 113                | -11.0%              |
| Nevada State College                  | 111                | 7.8%                |
| University of Phoenix-Nevada          | 71                 | -35.5%              |
| Career College of Northern Nevada     | 68                 | -33.3%              |
| Sierra Nevada University              | 62                 | 26.5%               |
| Roseman University of Health Sciences | 28                 | -34.9%              |
| DeVry University-Nevada               | 25                 | -40.5%              |
| Northwest Career College              | 20                 | 300.0%              |
| Nevada Career Institute               | 4                  | Inf. Data           |
| Carrington College-Las Vegas          | 2                  | -77.8%              |
| Las Vegas College                     | 0                  | -100.0%             |

# Information Technology Career Cluster Occupational Summary

## Regional Trends

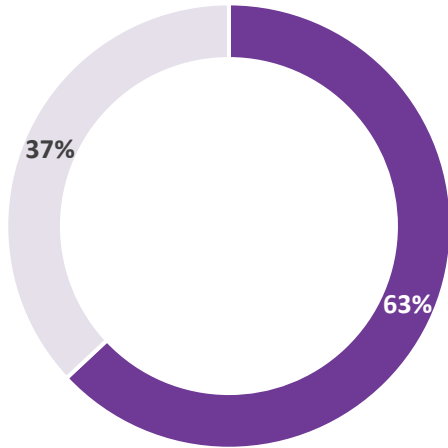


|   | Region                           | 2020 Jobs | 2025 Jobs | Change  | % Change |
|---|----------------------------------|-----------|-----------|---------|----------|
| ● | Nevada                           | 40,039    | 44,912    | 4,873   | 12.2%    |
| ● | Las Vegas-Henderson-Paradise, NV | 27,733    | 30,829    | 3,096   | 11.2%    |
| ● | Reno, NV                         | 7,945     | 9,038     | 1,092   | 13.7%    |
| ● | United States                    | 7,001,984 | 7,604,903 | 602,919 | 8.6%     |

# Information Technology Career Cluster Occupational Summary

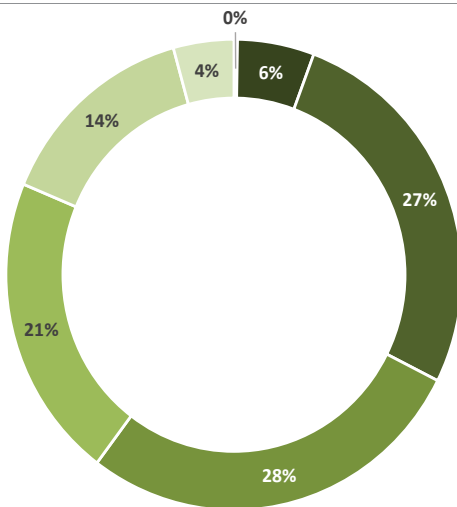
## Demographics

### Gender



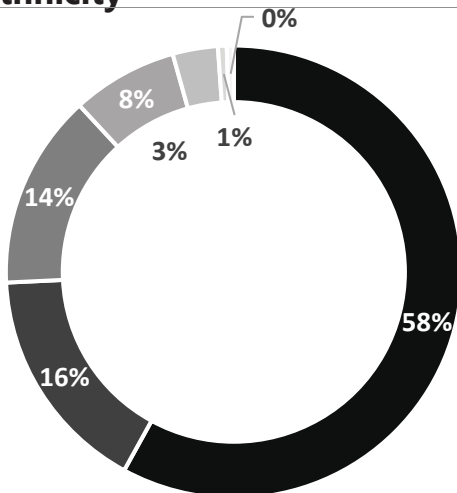
| Gender    | 2020 Jobs | 2020 Percent |
|-----------|-----------|--------------|
| ■ Males   | 25,234    | 63.0%        |
| ■ Females | 14,804    | 37.0%        |

### Age



| Age     | 2020 Jobs | 2020 Percent |
|---------|-----------|--------------|
| ■ 14-18 | 100       | 0.2%         |
| ■ 19-24 | 2,181     | 5.4%         |
| ■ 25-34 | 10,702    | 26.7%        |
| ■ 35-44 | 11,146    | 27.8%        |
| ■ 45-54 | 8,415     | 21.0%        |
| ■ 55-64 | 5,779     | 14.4%        |
| ■ 65+   | 1,717     | 4.3%         |

### Race/Ethnicity



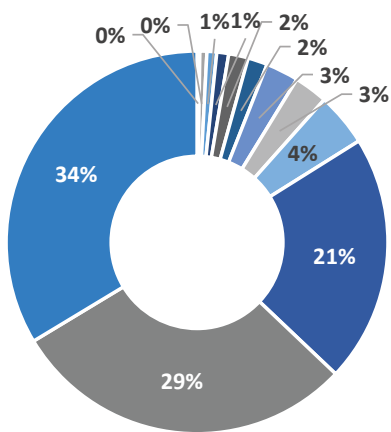
| Race/Ethnicity                              | 2020 Jobs | 2020 Percent |
|---|-----------|--------------|
| ■ White                                     | 23,218    | 58.0%        |
| ■ Asian                                     | 6,511     | 16.3%        |
| ■ Hispanic or Latino                        | 5,568     | 13.9%        |
| ■ Black or African American                 | 3,011     | 7.5%         |
| ■ American                                  | 1,284     | 3.2%         |
| ■ Two or More Races                         | 1,284     | 3.2%         |
| ■ American Indian or Alaska Native          | 250       | 0.6%         |
| ■ Native Hawaiian or Other Pacific Islander | 198       | 0.5%         |
| ■ (Unlabeled)                               | 0         | 0%           |

## Market Research Analysts and Marketing Specialists (13-1161)

|   |   |  |  |
|---|---|--|--|
| <b>3,722</b><br>Jobs (2020)<br>2,848 jobs <b>below</b> National average | <b>1,689</b><br>Total Program Completions (2020)<br>504 Annual Openings | <b>\$29.40</b><br>Avg. Hourly Earnings (2020)<br>National Average: \$35.84 | <b>23</b><br>In-Demand Occupational Rank<br>of 754 occupations |
|---|---|--|--|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



|                                   | CIP Code |         |         |         |         |
|-----------------------------------|----------|---------|---------|---------|---------|
|                                   | 09.0100  | 52.1801 | 52.0299 | 51.2211 | 30.2001 |
| College of Southern Nevada        |          | 17      |         |         |         |
| Nevada State College              | 14       |         |         |         |         |
| DeVry University-Nevada           |          |         | 5       |         |         |
| Sierra Nevada University          |          |         |         |         | 2       |
| Truckee Meadows Community College | 3        |         |         |         |         |
| Nevada Career Institute           |          |         |         | 4       |         |

#### CIP Code

|                                 | 52.0201 | 52.1401 | 45.0601 | 09.0102 | 52.1101 | 05.0103 | 03.0104 | 03.0101 |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| University of Nevada, Las Vegas | 206     | 118     | 66      | 127     | 47      | 4       |         |         |
| University of Nevada, Reno      | 156     | 175     | 81      |         | 33      |         | 43      | 7       |
| College of Southern Nevada      | 336     |         |         |         |         |         | 1       |         |
| Nevada State College            | 58      |         |         |         |         |         | 4       |         |
| University of Phoenix, Nevada   | 47      | 1       |         |         |         |         |         |         |
| Great Basin College             | 47      |         |         |         |         |         |         |         |

## Market Research Analysts and Marketing Specialists (13-1161)

### CIP Code

|   | 52.0201 | 52.1401 | 45.0601 | 09.0102 | 52.1101 | 05.0103 | 03.0104 | 03.0101 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ Roseman University of Health Sciences | 28      |         |         |         |         |         |         |         |
| ■ Western Nevada College                | 28      |         |         |         |         |         |         |         |
| ■ DeVry University-Nevada               | 12      |         |         |         |         |         |         |         |
| ■ Sierra Nevada University              | 0       |         |         |         | 8       |         | 4       |         |
| ■ Truckee Meadows Community College     |         | 4       |         |         |         |         | 3       |         |

## Educational Program Completions

| CIP Code | Program   | 2016  | 2017  | 2018  | 2019 | 2020 |
|----------|---|-------|-------|-------|------|------|
| 52.0201  | Business Administration and Management, General           | 1,006 | 1,007 | 1,028 | 993  | 918  |
| 52.1401  | Marketing/Marketing Management, General                   | 171   | 234   | 224   | 288  | 298  |
| 45.0601  | Economics, General  | 49    | 63    | 60    | 136  | 147  |
| 09.0102  | Mass Communication/Media Studies                          | 93    | 110   | 121   | 104  | 127  |
| 52.1101  | International Business/Trade/Commerce                     | 86    | 75    | 93    | 67   | 88   |
| 03.0104  | Environmental Science                                     | 28    | 48    | 52    | 58   | 55   |
| 09.0100  | Communication, General                                    | 0     | 0     | 0     | 6    | 17   |
| 52.1801  | Sales, Distribution, and Marketing Operations, General    | 6     | 8     | 13    | 9    | 17   |
| 03.0101  | Natural Resources/Conservation, General                   | 3     | 5     | 3     | 5    | 7    |
| 52.0299  | Business Administration, Management and Operations, Other | 35    | 25    | 18    | 14   | 5    |
| 05.0103  | Asian Studies/Civilization                                | 3     | 3     | 5     | 8    | 4    |
| 51.2211  | Health Services Administration                            | 0     | 0     | 0     | 0    | 4    |
| 30.2001  | International/Globalization Studies                       | 4     | 3     | 4     | 2    | 2    |
| 03.0103  | Environmental Studies                                     | 9     | 15    | 5     | 1    | 0    |
| 05.0107  | Latin American Studies                                    | 1     | 2     | 0     | 1    | 0    |
| 05.0125  | German Studies  | 0     | 0     | 0     | 0    | 0    |

## Market Research Analysts and Marketing Specialists (13-1161)

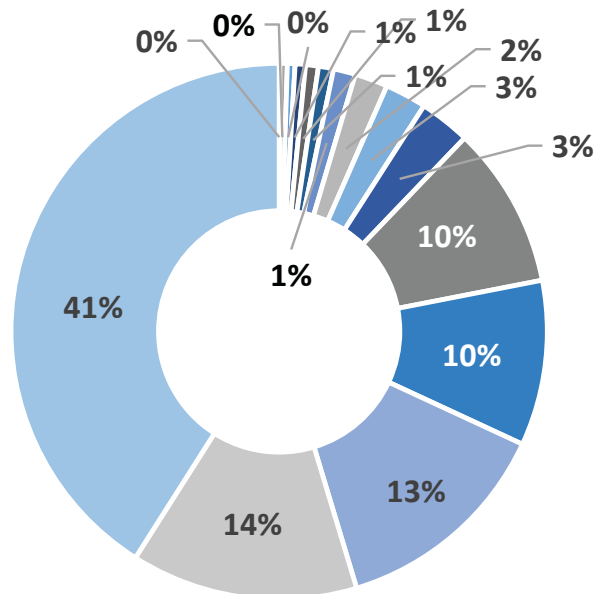
| <b>CIP Code</b> | <b>Program</b>                 | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|-----------------|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| 05.0199         | Area Studies, Other            | 0           | 0           | 0           | 0           | 0           |
| 09.0903         | Advertising                    | 0           | 0           | 0           | 0           | 0           |
| 45.0602         | Applied Economics              | 3           | 2           | 4           | 0           | 0           |
| 50.0499         | Design and Applied Arts, Other | 0           | 0           | 0           | 0           | 0           |

# Project Management Specialists and Business Operations Specialists, All Other (13-1198)

|   |  |   |   |
|---|--|---|---|
| <b>12,636</b><br><b>Jobs (2020)</b><br>1,412 jobs <b>below</b> National average | <b>4,513</b><br><b>Total Program Completions (2020)</b><br>1,168 Annual Openings | <b>\$33.55</b><br><b>Avg. Hourly Earnings (2020)</b><br>National Average: \$40.62 | <b>16</b><br><b>In-Demand Occupational Rank</b><br>of 754 occupations |
|---|--|---|---|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

## 2020 Program Completions by Institution



### CIP Code

|                                   | 52.9999 | 15.1703 | 52.0799 | 24.0199 | 43.0109 | 52.0305 |
|-----------------------------------|---------|---------|---------|---------|---------|---------|
| Truckee Meadows Community College |         | 4       | 3       |         |         |         |
| Nevada State College              | 5       |         |         |         |         |         |
| University of Phoenix, Nevada     |         |         |         |         |         | 1       |
| Sierra Nevada University          |         |         |         | 2       |         |         |
| Carrington College-Las Vegas      |         |         |         |         | 2       |         |

## Project Management Specialists and Business Operations Specialists, All Other (13-1198)

### CIP Code

|                                       | 24.0101 | 52.0201 | 24.0102 | 43.0104 | 11.0901 | 47.0201 | 11.1003 | 03.0104 | 43.0403 | 52.0211 | 52.0101 |
|---------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| College of Southern Nevada            | 563     | 336     | 419     | 138     | 205     | 24      | 102     | 1       | 50      | 12      |         |
| University of Nevada, Las Vegas       |         | 206     |         | 277     |         |         | 2       |         |         |         |         |
| Truckee Meadows Community College     | 263     |         | 124     | 38      | 8       | 12      | 1       | 3       |         |         | 132     |
| University of Nevada, Reno            |         | 156     | 47      |         |         |         |         | 43      |         |         | 164     |
| Western Nevada College                | 293     | 28      | 93      |         | 7       |         |         |         |         |         | 8       |
| Great Basin College                   | 67      | 47      | 12      |         | 2       |         |         |         |         |         |         |
| Advanced Training Institute           |         |         |         |         |         |         | 113     |         |         |         |         |
| Nevada State College                  |         | 58      |         |         |         |         |         | 4       |         |         |         |
| University of Phoenix, Nevada         |         | 47      |         |         | 1       |         |         |         |         | 3       |         |
| Career College of Northern Nevada     |         |         |         |         |         | 41      |         |         |         |         |         |
| Sierra Nevada University              |         | 0       |         |         |         |         |         | 4       |         |         |         |
| Roseman University of Health Sciences |         | 28      |         |         |         |         |         |         |         |         |         |
| DeVry University-Nevada               |         | 12      |         |         | 3       |         |         |         |         |         | 1       |
| Northwest Career College              |         |         |         |         |         |         | 20      |         |         |         |         |
| Carrington College-Las Vegas          |         |         |         |         |         |         |         |         |         |         |         |



## Project Management Specialists and Business Operations Specialists, All Other (13-1198)

### CIP Code

|                                     | 52.1101 | 11.1099 | 30.0000 | 43.0103 | 52.0701 | 04.0902 | 46.0415 | 03.0101 | 03.0201 | 43.0302 | 52.0299 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ University of Nevada, Las Vegas   | 47      | 47      |         |         | 22      | 16      |         |         |         |         |         |
| ■ Truckee Meadows Community College |         |         |         |         | 3       | 10      |         |         |         | 5       |         |
| ■ University of Nevada, Reno        | 33      |         |         |         |         |         |         | 7       |         |         |         |
| ■ Western Nevada College            |         |         |         | 12      |         |         |         |         |         |         |         |
| ■ Great Basin College               |         | 2       |         | 2       | 2       |         |         |         | 5       |         |         |
| ■ Nevada State College              |         |         | 16      | 7       |         |         |         |         |         |         |         |
| ■ University of Phoenix, Nevada     |         |         |         | 8       |         |         |         |         |         |         |         |
| ■ Sierra Nevada University          | 8       |         | 17      |         | 4       |         |         |         |         |         |         |
| ■ DeVry University-Nevada           |         |         |         |         |         |         |         |         |         | 5       |         |

## Project Management Specialists and Business Operations Specialists, All Other (13-1198)

### Educational Program Completions

| CIP Code | Program  | 2016  | 2017  | 2018  | 2019  | 2020  |
|----------|--|-------|-------|-------|-------|-------|
| 24.0101  | Liberal Arts and Sciences/Liberal Studies  | 1,105 | 1,208 | 1,121 | 1,243 | 1,186 |
| 52.0201  | Business Administration and Management, General  | 1,006 | 1,007 | 1,028 | 993   | 918   |
| 24.0102  | General Studies  | 699   | 730   | 637   | 652   | 695   |
| 43.0104  | Criminal Justice/Safety Studies  | 467   | 475   | 510   | 484   | 473   |
| 52.0101  | Business/Commerce, General   | 263   | 297   | 303   | 293   | 305   |
| 11.0901  | Computer Systems Networking and Telecommunications   | 272   | 106   | 180   | 171   | 226   |
| 47.0201  | Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician | 224   | 175   | 227   | 214   | 190   |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance                   | 63    | 48    | 113   | 98    | 105   |
| 52.1101  | International Business/Trade/Commerce  | 86    | 75    | 93    | 67    | 88    |
| 03.0104  | Environmental Science  | 28    | 48    | 52    | 58    | 55    |
| 43.0403  | Cyber/Computer Forensics and Counterterrorism  | 10    | 5     | 24    | 37    | 50    |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other              | 25    | 15    | 30    | 29    | 49    |
| 30.0000  | Multi-/Interdisciplinary Studies, General  | 41    | 39    | 36    | 28    | 33    |
| 43.0103  | Criminal Justice/Law Enforcement Administration  | 71    | 62    | 78    | 44    | 29    |
| 52.0701  | Entrepreneurship/Entrepreneurial Studies   | 39    | 28    | 38    | 28    | 28    |
| 04.0902  | Architectural and Building Sciences/Technology   | 0     | 0     | 15    | 22    | 19    |
| 52.0211  | Project Management   | 0     | 0     | 0     | 6     | 15    |
| 46.0415  | Building Construction Technology/Technician  | 5     | 4     | 18    | 20    | 10    |
| 03.0101  | Natural Resources/Conservation, General  | 3     | 5     | 3     | 5     | 7     |
| 03.0201  | Environmental/Natural Resources Management and Policy, General                             | 5     | 3     | 6     | 3     | 5     |

## Project Management Specialists and Business Operations Specialists, All Other (13-1198)

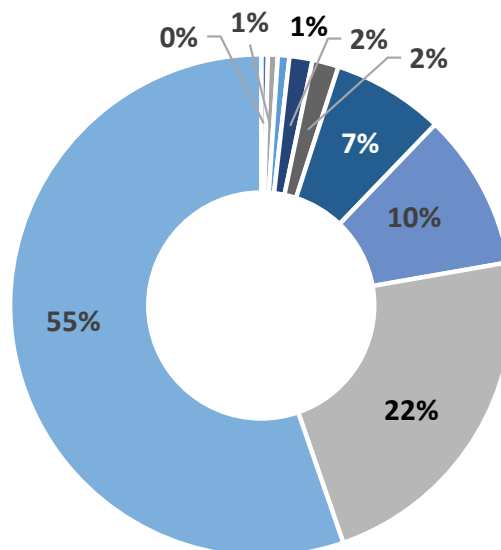
| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 43.0302  | Crisis/Emergency/Disaster Management  | 4    | 3    | 1    | 3    | 5    |
| 52.0299  | Business Administration, Management and Operations, Other                               | 35   | 25   | 18   | 14   | 5    |
| 52.9999  | Business, Management, Marketing, and Related Support Services, Other                    | 34   | 23   | 17   | 12   | 5    |
| 15.1703  | Solar Energy Technology/Technician  | 10   | 4    | 4    | 3    | 4    |
| 52.0799  | Entrepreneurial and Small Business Operations, Other                                    | 3    | 2    | 1    | 0    | 3    |
| 24.0199  | Liberal Arts and Sciences, General Studies and Humanities, Other                        | 5    | 6    | 6    | 1    | 2    |
| 43.0109  | Security and Loss Prevention Services   | 0    | 0    | 8    | 9    | 2    |
| 52.0305  | Accounting and Business/Management  | 17   | 8    | 2    | 0    | 1    |
| 03.0103  | Environmental Studies   | 9    | 15   | 5    | 1    | 0    |
| 15.0599  | Environmental Control Technologies/Technicians, Other                                   | 10   | 17   | 3    | 2    | 0    |
| 15.1701  | Energy Systems Technology/Technician  | 2    | 2    | 1    | 0    | 0    |
| 43.0112  | Securities Services Administration/Management   | 32   | 11   | 0    | 0    | 0    |
| 43.9999  | Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other | 0    | 0    | 0    | 0    | 0    |
| 52.0205  | Operations Management and Supervision   | 1    | 0    | 2    | 2    | 0    |
| 52.0206  | Non-Profit/Public/Organizational Management   | 1    | 1    | 2    | 2    | 0    |
| 52.0208  | E-Commerce/Electronic Commerce  | 0    | 0    | 0    | 0    | 0    |
| 52.0399  | Accounting and Related Services, Other  | 6    | 1    | 0    | 0    | 0    |
| 52.0703  | Small Business Administration/Management  | 7    | 8    | 2    | 1    | 0    |
| 52.1902  | Fashion Merchandising   | 11   | 11   | 7    | 5    | 0    |

## Computer Systems Analysts (15-1211)

|   |   |  |   |
|---|---|--|---|
| <b>2,093</b><br>Jobs (2020)<br>3,348 jobs <b>below</b> National average | <b>944</b><br>Total Program Completions (2020)<br>215 Annual Openings | <b>\$44.69</b><br>Avg. Hourly Earnings (2020)<br>National Average: \$47.75 | <b>4</b><br>In-Demand Occupational Rank<br>of 754 occupations |
|---|---|--|---|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



#### CIP Code

|                                     | 51.0706 | 11.0103 | 52.1201 | 52.1299 | 51.0707 |
|-------------------------------------|---------|---------|---------|---------|---------|
| ■ University of Nevada, Las Vegas   |         |         | 2       |         | 12      |
| ■ Truckee Meadows Community College |         | 6       | 5       | 1       |         |
| ■ Career College of Northern Nevada | 16      |         |         |         |         |
| ■ DeVry University-Nevada           |         |         | 1       |         |         |
| ■ University of Phoenix, Nevada     |         | 5       |         |         |         |

## Computer Systems Analysts (15-1211)

### CIP Code

|                                     | 11.0901 | 11.1005 | 11.1003 | 11.0201 | 51.0707 | 11.0501 | 11.0899 | 11.0701 | 11.0101 | 11.1099 | 11.0202 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ College of Southern Nevada        | 205     | 174     | 102     | 24      | 12      | 1       | 4       |         |         |         |         |
| ■ University of Nevada, Las Vegas   |         |         | 2       |         |         |         |         | 161     |         | 47      |         |
| ■ University of Nevada, Reno        |         |         |         |         |         |         |         |         | 95      |         |         |
| ■ Truckee Meadows Community College | 8       |         | 1       |         |         |         |         |         | 31      |         | 16      |
| ■ Career College of Northern Nevada |         |         |         |         |         |         |         |         |         |         |         |
| ■ Western Nevada College            | 7       |         |         |         |         |         |         |         | 7       |         |         |
| ■ DeVry University-Nevada           | 3       |         |         |         |         | 3       |         |         |         |         |         |
| ■ University of Phoenix, Nevada     | 1       |         |         |         |         |         |         |         |         |         |         |
| ■ Great Basin College               | 2       |         |         |         |         |         |         |         |         | 2       |         |

## Computer Systems Analysts (15-1211)

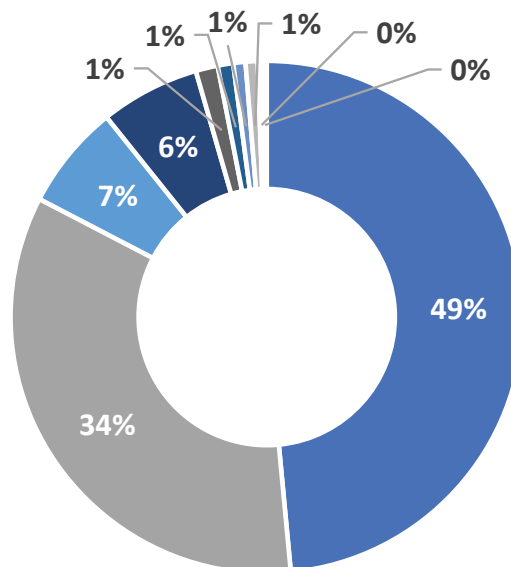
### Educational Program Completions

| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.1005  | Information Technology Project Management                                     | 1    | 0    | 78   | 94   | 174  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.0201  | Computer Programming/Programmer, General                                      | 3    | 3    | 6    | 27   | 24   |
| 11.0202  | Computer Programming, Specific Applications                                   | 10   | 12   | 20   | 11   | 16   |
| 51.0706  | Health Information/Medical Records Administration/Administrator               | 22   | 30   | 28   | 19   | 16   |
| 51.0707  | Health Information/Medical Records Technology/Technician                      | 30   | 13   | 21   | 14   | 12   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 52.1201  | Management Information Systems, General                                       | 9    | 9    | 10   | 5    | 8    |
| 11.0501  | Computer Systems Analysis/Analyst   | 7    | 8    | 3    | 4    | 4    |
| 11.0899  | Computer Software and Media Applications, Other                               | 0    | 0    | 0    | 12   | 4    |
| 52.1299  | Management Information Systems and Services, Other                            | 2    | 2    | 5    | 2    | 1    |
| 11.0199  | Computer and Information Sciences, Other                                      | 24   | 20   | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |
| 15.1202  | Computer/Computer Systems Technology/Technician                               | 0    | 0    | 0    | 0    | 0    |
| 30.0601  | Systems Science and Theory  | 0    | 0    | 0    | 0    | 0    |

## Information Security Analysts (15-1212)

|  |   |   |   |
|--|---|---|---|
| <b>602</b><br><b>Jobs (2020)</b><br>702 jobs <b>below</b> National average | <b>1,433</b><br><b>Total Program Completions (2020)</b><br>76 Annual Openings | <b>\$52.34</b><br><b>Avg. Hourly Earnings (2020)</b><br>National Average: \$51.72 | <b>27</b><br><b>In-Demand Occupational Rank</b><br>of 754 occupations |
|--|---|---|---|

|   |  |  |
|---|--|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>Less than 5 years | <b>Typical On-The-Job Training</b><br>None |
|---|--|--|



|  | <b>CIP Code</b> |                |                |
|--|-----------------|----------------|----------------|
|  | <b>43.0104</b>  | <b>11.0901</b> | <b>11.0501</b> |
| <span style="color: blue;">■</span> <b>College of Southern Nevada</b>            | 138             | 205            | 174            |
| <span style="color: grey;">■</span> <b>University of Nevada, Las Vegas</b>       | 277             |                |                |
| <span style="color: darkblue;">■</span> <b>Truckee Meadows Community College</b> | 38              | 8              |                |
| <span style="color: grey;">■</span> <b>Northwest Career College</b>              | 20              |                |                |
| <span style="color: blue;">■</span> <b>Western Nevada College</b>                |                 | 7              |                |
| <span style="color: blue;">■</span> <b>University of Phoenix, Nevada</b>         |                 | 1              |                |
| <span style="color: lightblue;">■</span> <b>DeVry University-Nevada</b>          |                 | 3              |                |
| <span style="color: blue;">■</span> <b>Great Basin College</b>                   |                 | 2              |                |

## Information Security Analysts (15-1212) 2020 Program Completions by Institution

|                                     | CIP Code |         |         |         |         |         |         |         |         |         |         |
|-------------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                     | 11.0701  | 11.0101 | 11.1003 | 43.0403 | 11.1099 | 11.1002 | 11.1001 | 11.0103 | 52.1201 | 11.0802 | 52.1299 |
| ■ College of Southern Nevada        |          |         | 102     | 50      |         | 22      |         |         |         | 4       |         |
| ■ University of Nevada, Las Vegas   | 161      |         | 2       | 47      |         |         | 2       |         |         |         |         |
| ■ University of Nevada, Reno        |          | 95      |         |         |         |         |         |         |         |         |         |
| ■ Truckee Meadows Community College |          | 31      | 1       |         |         |         | 6       | 5       |         |         | 1       |
| ■ Western Nevada College            |          | 7       |         |         |         |         |         |         |         |         |         |
| ■ University of Phoenix, Nevada     |          |         |         |         |         |         | 5       | 5       |         |         |         |
| ■ Career College of Northern Nevada |          |         |         |         |         |         | 11      |         |         |         |         |
| ■ DeVry University-Nevada           |          |         |         |         |         |         |         |         | 1       |         |         |
| ■ Great Basin College               |          |         |         |         | 2       |         |         |         |         |         |         |



## Information Security Analysts (15-1212)

### Educational Program Completions

| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 43.0104  | Criminal Justice/Safety Studies   | 467  | 475  | 510  | 484  | 473  |
| 11.0901  | Computer Systems Networking and Telecommunications                                      | 272  | 106  | 180  | 171  | 226  |
| 11.1005  | Information Technology Project Management   | 1    | 0    | 78   | 94   | 174  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General  | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance                | 63   | 48   | 113  | 98   | 105  |
| 43.0403  | Cyber/Computer Forensics and Counterterrorism   | 10   | 5    | 24   | 37   | 50   |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other           | 25   | 15   | 30   | 29   | 49   |
| 11.1002  | System, Networking, and LAN/WAN Management/Manager                                      | 142  | 85   | 35   | 22   | 22   |
| 11.1001  | Network and System Administration/Administrator   | 28   | 20   | 23   | 31   | 16   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 52.1201  | Management Information Systems, General   | 9    | 9    | 10   | 5    | 8    |
| 11.0802  | Data Modeling/Warehousing and Database Administration                                   | 2    | 1    | 1    | 6    | 4    |
| 52.1299  | Management Information Systems and Services, Other                                      | 2    | 2    | 5    | 2    | 1    |
| 11.0199  | Computer and Information Sciences, Other  | 24   | 20   | 0    | 0    | 0    |
| 11.0401  | Information Science/Studies   | 0    | 1    | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                           | 0    | 0    | 0    | 0    | 0    |
| 43.9999  | Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other | 0    | 0    | 0    | 0    | 0    |

## Computer Network Support Specialists (15-1231)

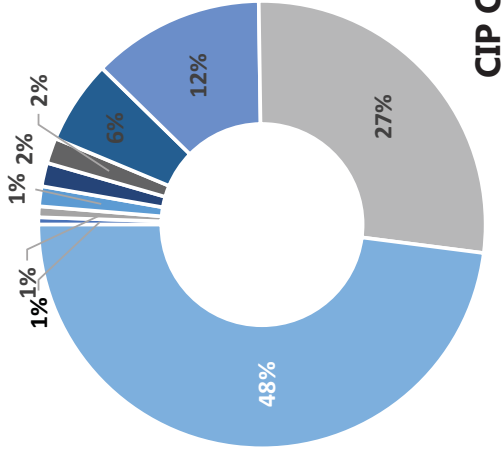
|  |  |   |   |
|--|--|---|---|
| <b>1,512</b><br>Jobs (2020)<br><br>225 jobs <b>below</b> National<br>average | <b>763</b><br>Total Program<br>Completions (2020)<br><br>141 Annual Openings | <b>\$30.91</b><br>Avg. Hourly Earnings<br>(2020)<br><br>National Average: \$34.37 | <b>13</b><br>In-Demand Occupational<br>Rank<br><br>of 754 occupations |
|--|--|---|---|

|  |   |  |
|--|---|--|
| <b>Typical Entry Level Education</b><br><br>Associate's degree | <b>Work Experience Required</b><br><br>None | <b>Typical On-The-Job Training</b><br><br>None |
|--|---|--|

### Educational Program Completions

| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.0201  | Computer Programming/Programmer, General                                      | 3    | 3    | 6    | 27   | 24   |
| 11.1002  | System, Networking, and LAN/WAN Management/Manager                            | 142  | 85   | 35   | 22   | 22   |
| 11.1001  | Network and System Administration/Administrator                               | 28   | 20   | 23   | 31   | 16   |
| 51.0707  | Health Information/Medical Records Technology/Technician                      | 30   | 13   | 21   | 14   | 12   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 11.0501  | Computer Systems Analysis/Analyst   | 7    | 8    | 3    | 4    | 4    |
| 11.0199  | Computer and Information Sciences, Other                                      | 24   | 20   | 0    | 0    | 0    |
| 11.1006  | Computer Support Specialist   | 0    | 0    | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |

# Computer Network Support Specialists (15-1231)



CIP Code

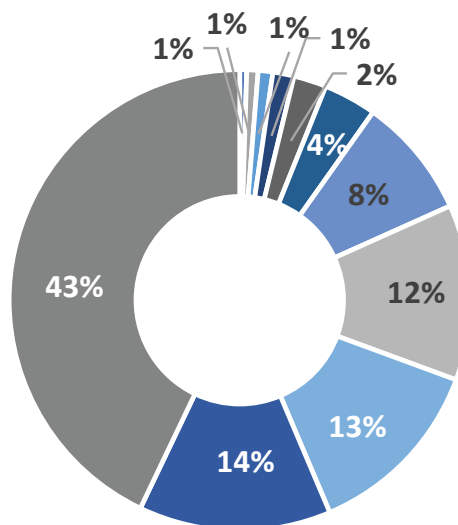
|                                   | 11.0901 | 11.0701 | 11.0101 | 11.1003 | 11.1099 | 11.0201 | 11.1002 | 11.1001 | 51.0707 | 11.0103 | 11.0501 |
|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| College of Southern Nevada        | 205     |         |         | 102     |         | 24      | 22      |         | 12      |         | 1       |
| University of Nevada, Las Vegas   |         | 161     |         |         | 47      |         |         |         |         |         |         |
| University of Nevada, Reno        |         |         | 95      |         |         |         |         |         |         |         |         |
| Truckee Meadows Community College | 8       |         | 31      | 1       |         |         |         |         | 6       |         |         |
| Western Nevada College            | 7       |         | 7       |         |         |         |         |         |         |         |         |
| University of Phoenix, Nevada     | 1       |         | 2       |         |         |         | 5       |         | 5       |         |         |
| Career College of Northern Nevada |         |         |         |         |         |         | 11      |         |         |         |         |
| DeVry University-Nevada           | 3       |         |         |         |         |         |         |         |         |         | 3       |
| Great Basin College               | 2       |         |         |         | 2       |         |         |         |         |         |         |

## Computer User Support Specialists (15-1232)

|  |   |  |  |
|--|---|--|--|
| <b>6,113</b><br>Jobs (2020)<br>10 jobs <b>above</b> National average | <b>3,515</b><br>Total Program Completions (2020)<br>534 Annual Openings | <b>\$26.18</b><br>Avg. Hourly Earnings (2020)<br>National Average: \$27.62 | <b>42</b><br>In-Demand Occupational Rank<br>of 754 occupations |
|--|---|--|--|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Some college, no degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



#### CIP Code

|                                 | 11.1099 | 30.0000 | 15.1201 | 52.0299 | 52.0407 | 24.0199 |
|---------------------------------|---------|---------|---------|---------|---------|---------|
| University of Nevada, Las Vegas | 47      |         |         |         |         |         |
| Great Basin College             | 2       |         |         |         | 3       |         |
| Nevada State College            |         | 16      | 7       |         |         |         |
| Sierra Nevada University        |         | 17      |         |         |         | 2       |
| DeVry University-Nevada         |         |         |         | 5       |         |         |

## Computer User Support Specialists (15-1232)

|   | CIP Code |         |         |         |         |         |         |         |         |         |         |
|---|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|   | 24.0101  | 52.0201 | 24.0102 | 11.1005 | 51.0707 | 11.0899 | 11.0701 | 11.0101 | 15.0613 | 11.0103 | 30.9999 |
| ■ College of Southern Nevada            | 563      | 336     | 419     | 174     | 12      | 4       |         |         |         |         |         |
| ■ Truckee Meadows Community College     | 263      |         | 124     |         |         |         | 31      | 50      | 6       |         |         |
| ■ University of Nevada, Las Vegas       |          | 206     |         |         |         | 161     |         |         |         |         | 43      |
| ■ Western Nevada College                | 293      | 28      | 93      |         |         |         | 7       | 12      |         |         |         |
| ■ University of Nevada, Reno            |          | 156     | 47      |         |         |         | 95      |         |         |         |         |
| ■ Great Basin College                   | 67       | 47      | 12      |         |         |         |         |         |         |         |         |
| ■ Nevada State College                  |          | 58      |         |         |         |         |         |         |         |         |         |
| ■ University of Phoenix, Nevada         |          | 47      |         |         |         |         |         | 5       |         |         |         |
| ■ Sierra Nevada University              |          | 0       |         |         |         |         |         |         |         |         | 17      |
| ■ Roseman University of Health Sciences |          | 28      |         |         |         |         |         |         |         |         |         |
| ■ DeVry University-Nevada               |          | 12      |         |         |         |         |         |         |         |         |         |

## Computer User Support Specialists (15-1232)

### Educational Program Completions

| CIP Code | Program  | 2016  | 2017  | 2018  | 2019  | 2020  |
|----------|--|-------|-------|-------|-------|-------|
| 24.0101  | Liberal Arts and Sciences/Liberal Studies  | 1,105 | 1,208 | 1,121 | 1,243 | 1,186 |
| 52.0201  | Business Administration and Management, General                                  | 1,006 | 1,007 | 1,028 | 993   | 918   |
| 24.0102  | General Studies  | 699   | 730   | 637   | 652   | 695   |
| 11.1005  | Information Technology Project Management  | 1     | 0     | 78    | 94    | 174   |
| 11.0701  | Computer Science   | 104   | 95    | 113   | 119   | 161   |
| 11.0101  | Computer and Information Sciences, General                                       | 115   | 110   | 125   | 144   | 133   |
| 15.0613  | Manufacturing Engineering Technology/<br>Technician                              | 27    | 30    | 25    | 42    | 62    |
| 30.9999  | Multi-/Interdisciplinary Studies, Other  | 58    | 59    | 64    | 53    | 60    |
| 11.1099  | Computer/Information Technology Services<br>Administration and Management, Other | 25    | 15    | 30    | 29    | 49    |
| 30.0000  | Multi-/Interdisciplinary Studies, General  | 41    | 39    | 36    | 28    | 33    |
| 51.0707  | Health Information/Medical Records<br>Technology/Technician                      | 30    | 13    | 21    | 14    | 12    |
| 11.0103  | Information Technology   | 54    | 63    | 36    | 3     | 11    |
| 15.1201  | Computer Engineering Technology/Technician                                       | 0     | 0     | 2     | 5     | 7     |
| 52.0299  | Business Administration, Management and<br>Operations, Other                     | 35    | 25    | 18    | 14    | 5     |
| 11.0899  | Computer Software and Media Applications,<br>Other                               | 0     | 0     | 0     | 12    | 4     |
| 52.0407  | Business/Office Automation/Technology/Data<br>Entry                              | 4     | 5     | 0     | 1     | 3     |
| 24.0199  | Liberal Arts and Sciences, General Studies and<br>Humanities, Other              | 5     | 6     | 6     | 1     | 2     |
| 11.0199  | Computer and Information Sciences, Other   | 24    | 20    | 0     | 0     | 0     |

## Computer User Support Specialists (15-1232)

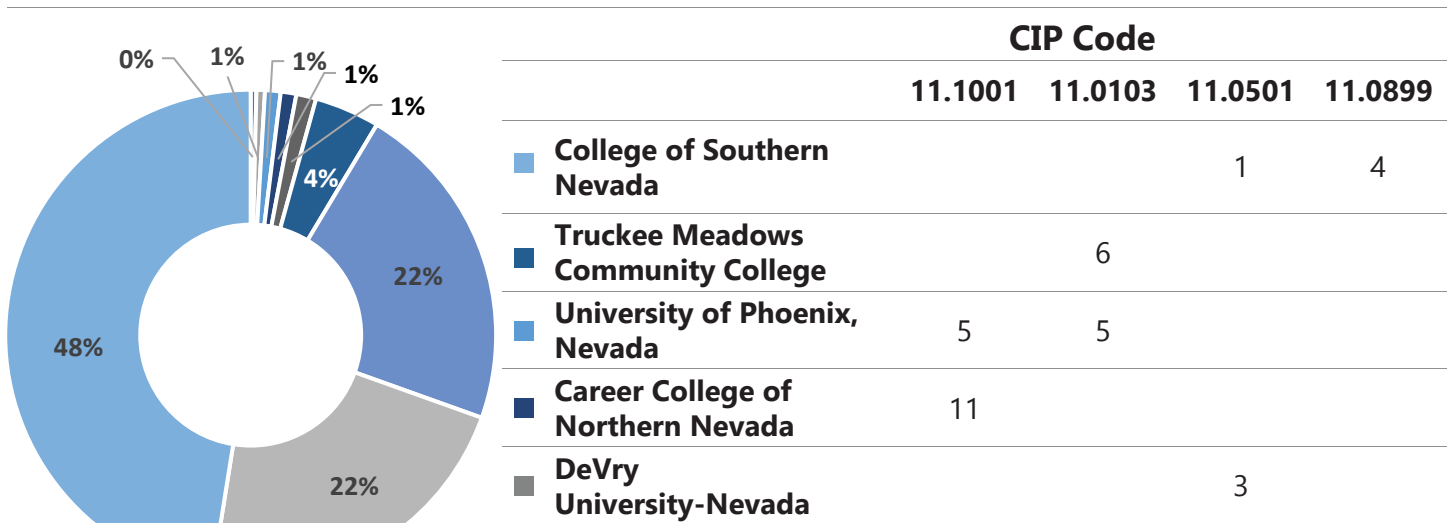
| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.1006  | Computer Support Specialist                                   | 0    | 0    | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other | 0    | 0    | 0    | 0    | 0    |
| 15.1202  | Computer/Computer Systems Technology/ Technician              | 0    | 0    | 0    | 0    | 0    |
| 52.0208  | E-Commerce/Electronic Commerce                                | 0    | 0    | 0    | 0    | 0    |

## Computer Network Architects (15-1241)

|   |  |  |  |
|---|--|--|--|
| <b>627</b><br>Jobs (2020)<br>848 jobs <b>below</b> National average | <b>1,070</b><br>Total Program Completions (2020)<br>52 Annual Openings | <b>\$53.26</b><br>Avg. Hourly Earnings (2020)<br>National Average: \$57.12 | <b>43</b><br>In-Demand Occupational Rank<br>of 754 occupations |
|---|--|--|--|

|   |  |  |
|---|--|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>5 years or more | <b>Typical On-The-Job Training</b><br>None |
|---|--|--|

### 2020 Program Completions by Institution



|                                   | CIP Code |         |         |         |         |         |         |         |
|-----------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|
|                                   | 11.0901  | 11.1005 | 11.1003 | 11.1002 | 14.0901 | 11.0701 | 11.0101 | 11.1099 |
| College of Southern Nevada        | 205      | 174     | 102     | 22      |         |         |         |         |
| University of Nevada, Reno        |          |         |         |         | 141     |         | 95      |         |
| University of Nevada, Las Vegas   |          |         | 2       |         | 24      | 161     |         | 47      |
| Truckee Meadows Community College | 8        |         | 1       |         |         |         | 31      |         |
| Western Nevada College            | 7        |         |         |         |         |         | 7       |         |
| University of Phoenix, Nevada     | 1        |         |         |         |         |         |         |         |



## Computer Network Architects (15-1241)

### CIP Code

|                           | 11.0901 | 11.1005 | 11.1003 | 11.1002 | 14.0901 | 11.0701 | 11.0101 | 11.1099 |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ DeVry University-Nevada | 3       |         |         |         |         |         |         |         |
| ■ Great Basin College     | 2       |         |         |         |         |         |         | 2       |

## Educational Program Completions

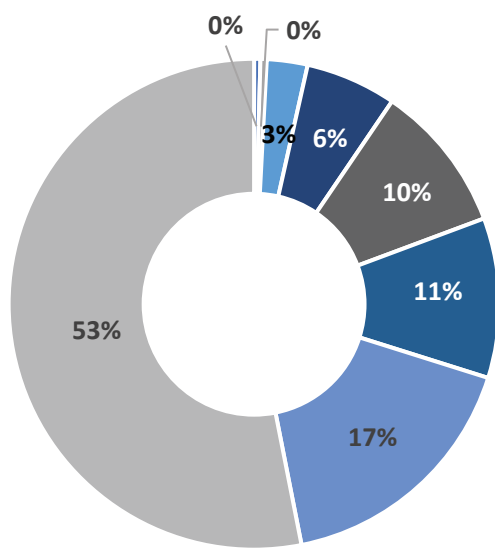
| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.1005  | Information Technology Project Management                                     | 1    | 0    | 78   | 94   | 174  |
| 14.0901  | Computer Engineering, General   | 82   | 108  | 171  | 152  | 165  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.1002  | System, Networking, and LAN/WAN Management/Manager                            | 142  | 85   | 35   | 22   | 22   |
| 11.1001  | Network and System Administration/Administrator                               | 28   | 20   | 23   | 31   | 16   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 11.0501  | Computer Systems Analysis/Analyst   | 7    | 8    | 3    | 4    | 4    |
| 11.0899  | Computer Software and Media Applications, Other                               | 0    | 0    | 0    | 12   | 4    |
| 11.0199  | Computer and Information Sciences, Other                                      | 24   | 20   | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |
| 15.0305  | Telecommunications Technology/Technician                                      | 0    | 2    | 0    | 2    | 0    |

## Network and Computer Systems Administrators (15-1244)

|   |   |  |   |
|---|---|--|---|
| <b>1,494</b><br>Jobs (2020)<br>1,672 jobs <b>below</b> National average | <b>968</b><br>Total Program Completions (2020)<br>140 Annual Openings | <b>\$41.59</b><br>Avg. Hourly Earnings (2020)<br>National Average: \$42.90 | <b>8</b><br>In-Demand Occupational Rank<br>of 754 occupations |
|---|---|--|---|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



|                                   | CIP Code |         |         |         |
|-----------------------------------|----------|---------|---------|---------|
|                                   | 15.0613  | 11.1099 | 11.0103 | 52.1299 |
| Truckee Meadows Community College | 50       |         | 6       | 1       |
| University of Phoenix, Nevada     |          | 47      | 5       |         |
| Western Nevada College            | 12       |         |         |         |
| Great Basin College               |          | 2       |         |         |

|                                   | CIP Code |         |         |         |         |         |         |         |
|-----------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|
|                                   | 11.0901  | 11.1005 | 11.1003 | 11.1002 | 11.1001 | 11.0701 | 52.1201 | 11.0101 |
| College of Southern Nevada        | 205      | 174     | 102     | 22      | 11      |         |         |         |
| University of Nevada, Las Vegas   |          |         | 2       |         |         | 161     | 2       |         |
| Truckee Meadows Community College | 8        |         | 1       |         |         |         | 5       | 31      |
| University of Nevada, Reno        |          |         |         |         |         |         |         | 95      |
| University of Phoenix, Nevada     | 1        |         |         |         | 5       |         |         |         |
| Western Nevada College            | 7        |         |         |         |         |         |         | 7       |

## Network and Computer Systems Administrators (15-1244)

### CIP Code

|                           | 11.0901 | 11.1005 | 11.1003 | 11.1002 | 11.1001 | 11.0701 | 52.1201 | 11.0101 |
|---------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ DeVry University-Nevada | 3       |         |         |         |         |         | 1       |         |
| ■ Great Basin College     | 2       |         |         |         |         |         |         |         |

## Educational Program Completions

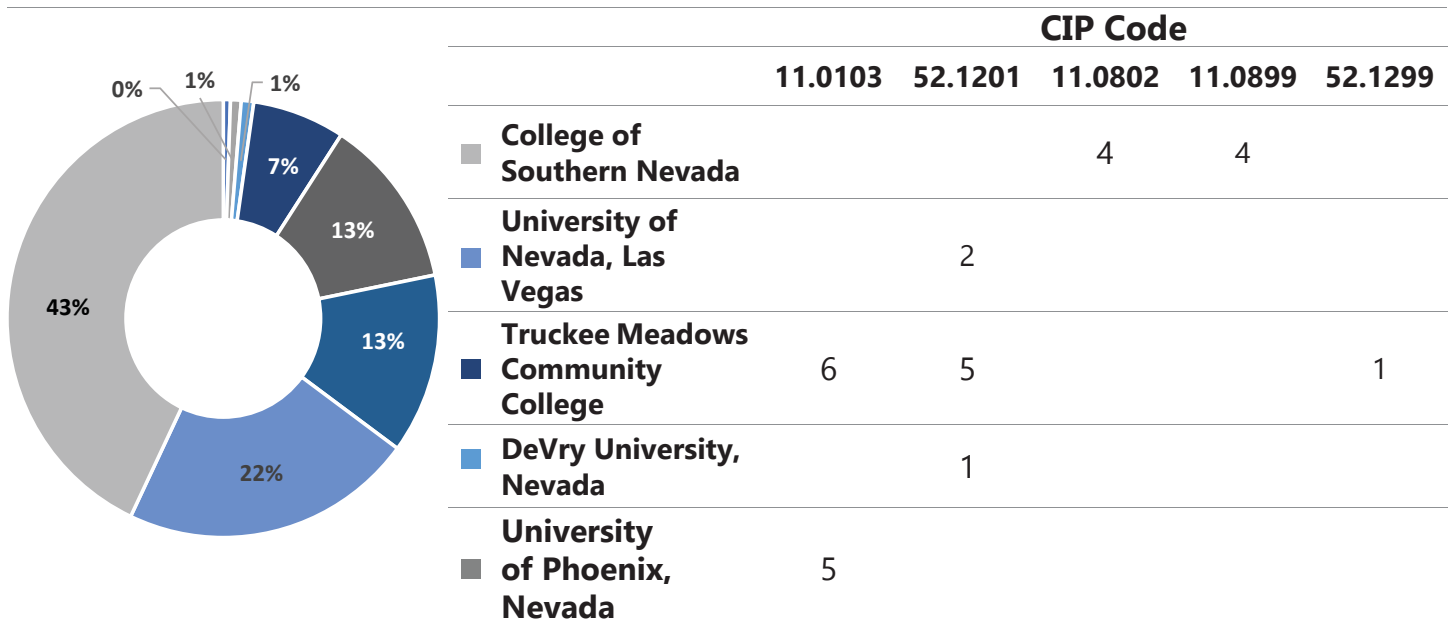
| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.1005  | Information Technology Project Management                                     | 1    | 0    | 78   | 94   | 174  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 15.0613  | Manufacturing Engineering Technology/Technician                               | 27   | 30   | 25   | 42   | 62   |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.1002  | System, Networking, and LAN/WAN Management/Manager                            | 142  | 85   | 35   | 22   | 22   |
| 11.1001  | Network and System Administration/Administrator                               | 28   | 20   | 23   | 31   | 16   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 52.1201  | Management Information Systems, General                                       | 9    | 9    | 10   | 5    | 8    |
| 52.1299  | Management Information Systems and Services, Other                            | 2    | 2    | 5    | 2    | 1    |
| 11.0199  | Computer and Information Sciences, Other                                      | 24   | 20   | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |
| 30.0601  | Systems Science and Theory  | 0    | 0    | 0    | 0    | 0    |

## Database Administrators and Architects (15-1245)

|  |   |   |   |
|--|---|---|---|
| <b>741</b><br><b>Jobs (2020)</b><br>493 jobs <b>below</b> National average | <b>752</b><br><b>Total Program Completions (2020)</b><br>71 Annual Openings | <b>\$45.68</b><br><b>Avg. Hourly Earnings (2020)</b><br>National Average: \$48.64 | <b>95</b><br><b>In-Demand Occupational Rank</b><br>of 754 occupations |
|--|---|---|---|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



| Institution                     | CIP Code |         |         |         |         |         |         |         |
|---------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|
|                                 | 11.0901  | 11.1003 | 11.1004 | 11.0501 | 11.0701 | 11.0101 | 11.1099 | 11.0301 |
| College of Southern Nevada      | 205      | 102     | 7       | 1       |         |         |         |         |
| University of Nevada, Las Vegas |          | 2       |         |         | 161     |         |         |         |
| Western Nevada College          | 7        |         |         |         |         | 7       | 47      | 39      |
| University of Nevada, Reno      |          |         |         |         |         | 95      |         |         |

## Database Administrators and Architects (15-1245)

### CIP Code

|                                     | 11.0901 | 11.1003 | 11.1004 | 11.0501 | 11.0701 | 11.0101 | 11.1099 | 11.0301 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ Truckee Meadows Community College | 8       | 1       |         |         |         | 31      |         |         |
| ■ DeVry University, Nevada          | 3       |         |         | 3       |         |         |         |         |
| ■ University of Phoenix, Nevada     | 1       |         |         |         |         |         |         |         |
| ■ Great Basin College               | 2       |         |         |         |         |         | 2       |         |

## Educational Program Completions

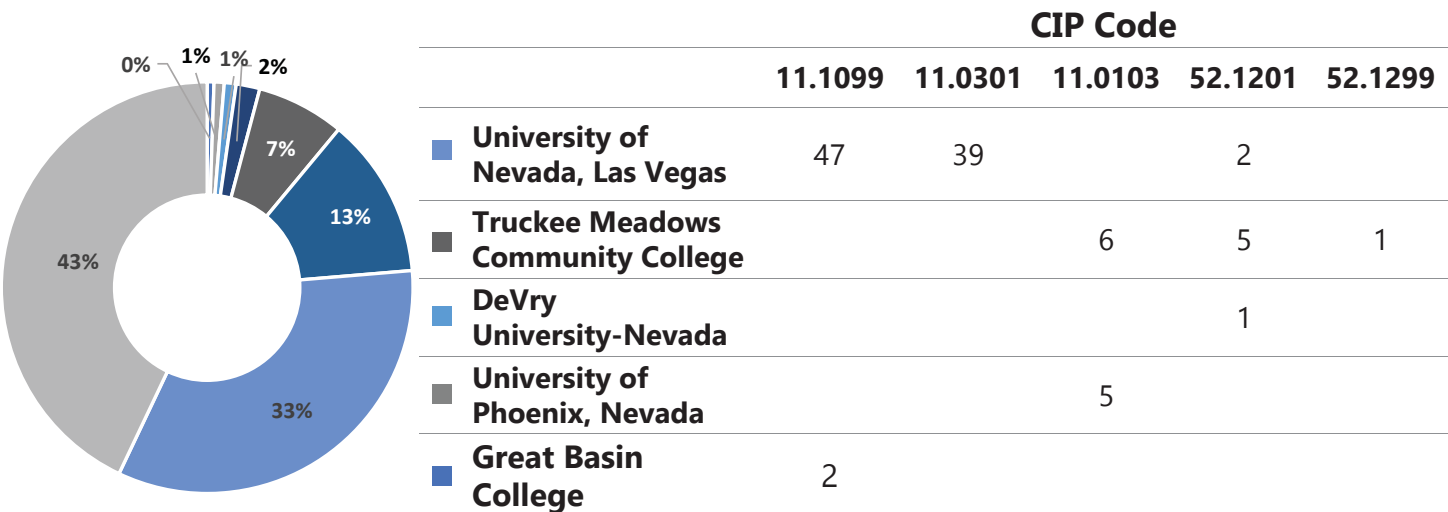
| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.0301  | Data Processing and Data Processing Technology/Technician                     | 4    | 7    | 19   | 34   | 39   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 52.1201  | Management Information Systems, General                                       | 9    | 9    | 10   | 5    | 8    |
| 11.1004  | Web/Multimedia Management and Webmaster                                       | 0    | 4    | 4    | 8    | 7    |
| 11.0501  | Computer Systems Analysis/Analyst   | 7    | 8    | 3    | 4    | 4    |
| 11.0802  | Data Modeling/Warehousing and Database Administration                         | 2    | 1    | 1    | 6    | 4    |
| 11.0899  | Computer Software and Media Applications, Other                               | 0    | 0    | 0    | 12   | 4    |
| 52.1299  | Management Information Systems and Services, Other                            | 2    | 2    | 5    | 2    | 1    |
| 11.0199  | Computer and Information Sciences, Other                                      | 24   | 20   | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |

## Computer Programmers (15-1251)

|  |   |   |  |
|--|---|---|--|
| <b>1,181</b><br><b>Jobs (2020)</b><br>566 jobs <b>below</b> National average | <b>636</b><br><b>Total Program Completions (2020)</b><br>85 Annual Openings | <b>\$42.97</b><br><b>Avg. Hourly Earnings (2020)</b><br>National Average: \$45.88 | <b>117</b><br><b>In-Demand Occupational Rank</b><br>of 754 occupations |
|--|---|---|--|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



|                                   | CIP Code |         |         |         |         |         |         |         |
|-----------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|
|                                   | 11.0901  | 11.1003 | 11.1004 | 11.0501 | 11.0802 | 11.0899 | 11.0701 | 11.0101 |
| College of Southern Nevada        | 205      | 102     | 7       | 1       | 4       | 4       |         |         |
| University of Nevada, Las Vegas   |          | 2       |         |         |         |         | 161     |         |
| University of Nevada, Reno        |          |         |         |         |         |         |         | 95      |
| Truckee Meadows Community College | 8        | 1       |         |         |         |         |         | 31      |
| Western Nevada College            | 7        |         |         |         |         |         |         | 7       |
| DeVry University-Nevada           | 3        |         |         | 3       |         |         |         |         |

## Computer Programmers (15-1251)

### CIP Code

|                                 | 11.0901 | 11.1003 | 11.1004 | 11.0501 | 11.0802 | 11.0899 | 11.0701 | 11.0101 |
|---------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ University of Phoenix, Nevada | 1       |         |         |         |         |         |         |         |
| ■ Great Basin College           | 2       |         |         |         |         |         |         |         |

## Educational Program Completions

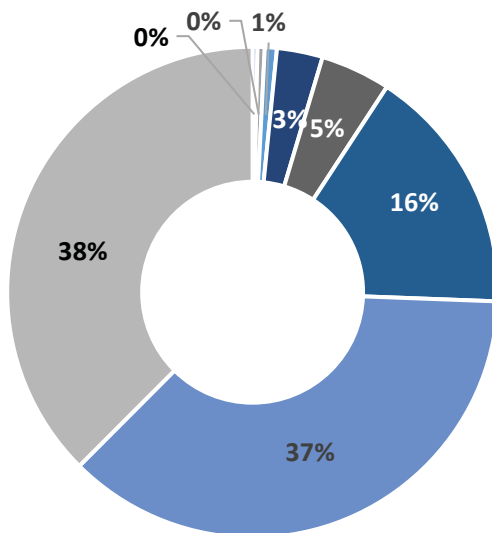
| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.0301  | Data Processing and Data Processing Technology/Technician                     | 4    | 7    | 19   | 34   | 39   |
| 11.0103  | Information Technology  | 54   | 63   | 36   | 3    | 11   |
| 52.1201  | Management Information Systems, General                                       | 9    | 9    | 10   | 5    | 8    |
| 11.1004  | Web/Multimedia Management and Webmaster                                       | 0    | 4    | 4    | 8    | 7    |
| 11.0501  | Computer Systems Analysis/Analyst   | 7    | 8    | 3    | 4    | 4    |
| 11.0802  | Data Modeling/Warehousing and Database Administration                         | 2    | 1    | 1    | 6    | 4    |
| 11.0899  | Computer Software and Media Applications, Other                               | 0    | 0    | 0    | 12   | 4    |
| 52.1299  | Management Information Systems and Services, Other                            | 2    | 2    | 5    | 2    | 1    |
| 11.0199  | Computer and Information Sciences, Other                                      | 24   | 20   | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |

# Software Developers and Software Quality Assurance Analysts and Testers (15-1256)

|   |  |   |  |
|---|--|---|--|
| <b>5,770</b><br>Jobs (2020)<br><small>7,997 jobs below National average</small> | <b>629</b><br>Total Program Completions (2020)<br><small>747 Annual Openings</small> | <b>\$47.35</b><br>Avg. Hourly Earnings (2020)<br><small>National Average: \$54.87</small> | <b>1</b><br>In-Demand Occupational Rank<br><small>of 754 occupations</small> |
|---|--|---|--|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

## 2020 Program Completions by Institution



|                              | CIP Code |         |
|------------------------------|----------|---------|
|                              | 11.0201  | 11.0899 |
| ■ College of Southern Nevada | 24       | 4       |

|                                     | CIP Code |         |         |         |         |         |         |         |
|-------------------------------------|----------|---------|---------|---------|---------|---------|---------|---------|
|                                     | 14.0901  | 11.0101 | 11.0701 | 11.1099 | 15.0613 | 11.0202 | 11.0103 | 11.0501 |
| ■ University of Nevada, Reno        | 141      | 95      |         |         |         |         |         |         |
| ■ University of Nevada, Las Vegas   | 24       |         | 161     | 47      |         |         |         |         |
| ■ Truckee Meadows Community College |          | 31      |         |         | 50      | 16      | 6       |         |
| ■ College of Southern Nevada        |          |         |         |         |         |         |         | 1       |
| ■ Western Nevada College            |          | 7       |         |         | 12      |         |         |         |
| ■ University of Phoenix, Nevada     |          |         |         |         |         |         | 5       |         |



## Software Developers and Software Quality Assurance Analysts and Testers (15-1256)

### CIP Code

|                            | 14.0901 | 11.0101 | 11.0701 | 11.1099 | 15.0613 | 11.0202 | 11.0103 | 11.0501 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ DeVry University, Nevada |         |         |         |         |         |         |         | 3       |
| ■ Great Basin College      |         |         |         | 2       |         |         |         |         |

### Educational Program Completions

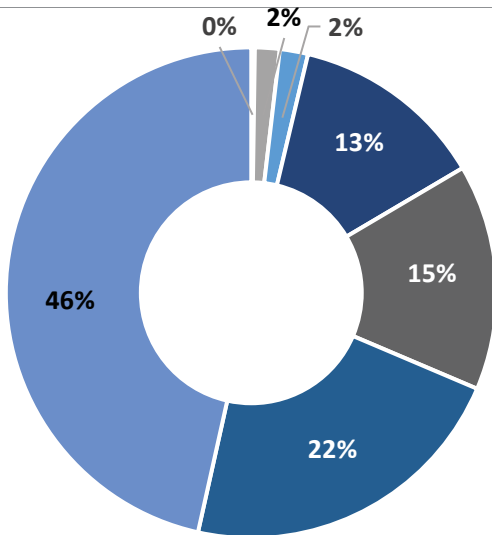
| CIP Code | Program  | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|--|------|------|------|------|------|
| 14.0901  | Computer Engineering, General  | 82   | 108  | 171  | 152  | 165  |
| 11.0701  | Computer Science   | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                       | 115  | 110  | 125  | 144  | 133  |
| 15.0613  | Manufacturing Engineering Technology/<br>Technician                              | 27   | 30   | 25   | 42   | 62   |
| 11.1099  | Computer/Information Technology Services<br>Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.0201  | Computer Programming/Programmer,<br>General                                      | 3    | 3    | 6    | 27   | 24   |
| 11.0202  | Computer Programming, Specific Applications                                      | 10   | 12   | 20   | 11   | 16   |
| 11.0103  | Information Technology   | 54   | 63   | 36   | 3    | 11   |
| 11.0501  | Computer Systems Analysis/Analyst  | 7    | 8    | 3    | 4    | 4    |
| 11.0899  | Computer Software and Media Applications,<br>Other                               | 0    | 0    | 0    | 12   | 4    |
| 11.0199  | Computer and Information Sciences, Other   | 24   | 20   | 0    | 0    | 0    |
| 11.0401  | Information Science/Studies  | 0    | 1    | 0    | 0    | 0    |
| 11.9999  | Computer and Information Sciences and<br>Support Services, Other                 | 0    | 0    | 0    | 0    | 0    |
| 30.0601  | Systems Science and Theory   | 0    | 0    | 0    | 0    | 0    |
| 50.0411  | Game and Interactive Media Design  | 15   | 24   | 11   | 12   | 0    |
| 52.0208  | E-Commerce/Electronic Commerce   | 0    | 0    | 0    | 0    | 0    |

# Web Developers and Digital Interface Designers (15-1257)

|   |  |   |   |
|---|--|---|---|
| <b>1,080</b><br>Jobs (2020)<br><small>649 jobs below National average</small> | <b>430</b><br>Total Program Completions (2020)<br><small>105 Annual Openings</small> | <b>\$31.22</b><br>Avg. Hourly Earnings (2020)<br><small>National Average: \$38.89</small> | <b>38</b><br>In-Demand Occupational Rank<br><small>of 754 occupations</small> |
|---|--|---|---|

|  |   |  |
|--|---|--|
| <b>Typical Entry Level Education</b><br>Associate's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|--|---|--|

## 2020 Program Completions by Institution



| CIP Code                     |         |
|------------------------------|---------|
|                              | 11.0899 |
| ■ College of Southern Nevada | 4       |

### CIP Code

|                                     | 11.0701 | 11.0101 | 50.0409 | 11.0201 | 50.0102 | 11.0202 | 50.0401 | 11.1004 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ University of Nevada, Las Vegas   | 161     |         | 39      |         |         |         |         |         |
| ■ University of Nevada, Reno        |         | 95      |         |         |         |         |         |         |
| ■ Truckee Meadows Community College |         | 31      |         |         | 17      | 16      |         |         |
| ■ College of Southern Nevada        |         |         | 20      | 24      |         |         |         | 7       |
| ■ Sierra Nevada University          |         |         |         |         |         |         | 8       |         |
| ■ Western Nevada College            |         | 7       |         |         |         |         |         |         |
| ■ Great Basin College               |         |         |         |         |         |         |         | 1       |

## Web Developers and Digital Interface Designers (15-1257)

### Educational Program Completions

| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                    | 115  | 110  | 125  | 144  | 133  |
| 50.0409  | Graphic Design  | 55   | 63   | 79   | 69   | 59   |
| 11.0201  | Computer Programming/Programmer, General                      | 3    | 3    | 6    | 27   | 24   |
| 50.0102  | Digital Arts  | 0    | 0    | 0    | 5    | 17   |
| 11.0202  | Computer Programming, Specific Applications                   | 10   | 12   | 20   | 11   | 16   |
| 50.0401  | Design and Visual Communications, General                     | 3    | 7    | 3    | 6    | 9    |
| 11.1004  | Web/Multimedia Management and Webmaster                       | 0    | 4    | 4    | 8    | 7    |
| 11.0899  | Computer Software and Media Applications, Other               | 0    | 0    | 0    | 12   | 4    |
| 10.0301  | Graphic Communications, General                               | 0    | 0    | 0    | 0    | 0    |
| 11.0199  | Computer and Information Sciences, Other                      | 24   | 20   | 0    | 0    | 0    |
| 11.0801  | Web Page, Digital/Multimedia and Information Resources Design | 12   | 5    | 8    | 1    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other | 0    | 0    | 0    | 0    | 0    |
| 50.0499  | Design and Applied Arts, Other                                | 0    | 0    | 0    | 0    | 0    |

## Computer Occupations, All Other (15-1299)

|  |  |   |   |
|--|--|---|---|
| <b>2,261</b><br>Jobs (2020)<br>1,427 jobs <b>below</b> National<br>average | <b>2,175</b><br>Total Program<br>Completions (2020)<br>226 Annual Openings | <b>\$37.63</b><br>Avg. Hourly Earnings<br>(2020)<br>National Average: \$46.07 | <b>13</b><br>In-Demand Occupational<br>Rank<br>of 754 occupations |
|--|--|---|---|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>Moderate-term on-the-job<br>training |
|---|---|--|

### Educational Program Completions

| CIP Code | Program   | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|---|------|------|------|------|------|
| 52.0101  | Business/Commerce, General  | 263  | 297  | 303  | 293  | 305  |
| 52.1401  | Marketing/Marketing Management, General                                       | 171  | 234  | 224  | 288  | 298  |
| 11.0901  | Computer Systems Networking and Telecommunications                            | 272  | 106  | 180  | 171  | 226  |
| 11.1005  | Information Technology Project Management                                     | 1    | 0    | 78   | 94   | 174  |
| 14.0901  | Computer Engineering, General   | 82   | 108  | 171  | 152  | 165  |
| 11.0701  | Computer Science  | 104  | 95   | 113  | 119  | 161  |
| 11.0101  | Computer and Information Sciences, General                                    | 115  | 110  | 125  | 144  | 133  |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance      | 63   | 48   | 113  | 98   | 105  |
| 52.1101  | International Business/Trade/Commerce   | 86   | 75   | 93   | 67   | 88   |
| 40.0601  | Geology/Earth Science, General  | 53   | 56   | 52   | 48   | 59   |
| 03.0104  | Environmental Science   | 28   | 48   | 52   | 58   | 55   |
| 43.0403  | Cyber/Computer Forensics and Counterterrorism                                 | 10   | 5    | 24   | 37   | 50   |
| 11.1099  | Computer/Information Technology Services Administration and Management, Other | 25   | 15   | 30   | 29   | 49   |
| 11.0301  | Data Processing and Data Processing Technology/Technician                     | 4    | 7    | 19   | 34   | 39   |

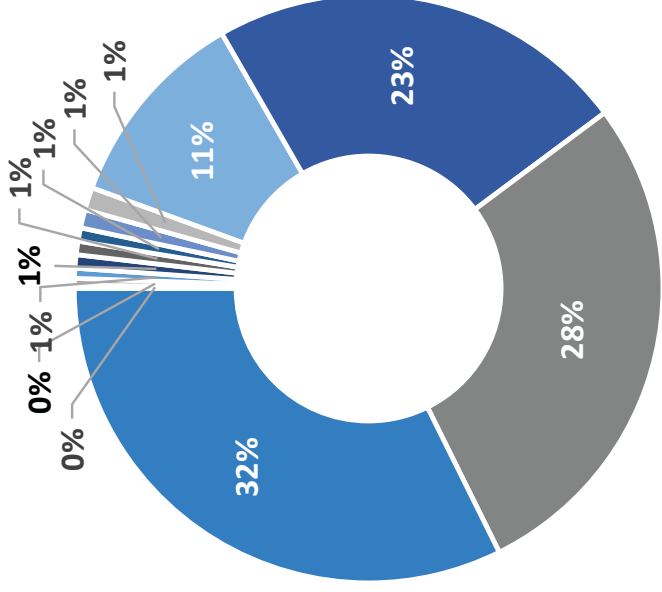
## Computer Occupations, All Other (15-1299)

| CIP Code | Program  | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|--|------|------|------|------|------|
| 52.0701  | Entrepreneurship/Entrepreneurial Studies                             | 39   | 28   | 38   | 28   | 28   |
| 45.0701  | Geography  | 27   | 13   | 17   | 22   | 27   |
| 11.0201  | Computer Programming/Programmer, General                             | 3    | 3    | 6    | 27   | 24   |
| 11.1002  | System, Networking, and LAN/WAN Management/Manager                   | 142  | 85   | 35   | 22   | 22   |
| 50.0102  | Digital Arts   | 0    | 0    | 0    | 5    | 17   |
| 11.0202  | Computer Programming, Specific Applications                          | 10   | 12   | 20   | 11   | 16   |
| 11.1001  | Network and System Administration/Administrator                      | 28   | 20   | 23   | 31   | 16   |
| 51.0706  | Health Information/Medical Records Administration/Administrator      | 22   | 30   | 28   | 19   | 16   |
| 52.0203  | Logistics, Materials, and Supply Chain Management                    | 2    | 8    | 6    | 13   | 15   |
| 52.0211  | Project Management   | 0    | 0    | 0    | 6    | 15   |
| 11.0103  | Information Technology   | 54   | 63   | 36   | 3    | 11   |
| 52.1201  | Management Information Systems, General                              | 9    | 9    | 10   | 5    | 8    |
| 03.0101  | Natural Resources/Conservation, General                              | 3    | 5    | 3    | 5    | 7    |
| 11.1004  | Web/Multimedia Management and Webmaster                              | 0    | 4    | 4    | 8    | 7    |
| 15.1201  | Computer Engineering Technology/Technician                           | 0    | 0    | 2    | 5    | 7    |
| 52.9999  | Business, Management, Marketing, and Related Support Services, Other | 34   | 23   | 17   | 12   | 5    |
| 11.0501  | Computer Systems Analysis/Analyst                                    | 7    | 8    | 3    | 4    | 4    |
| 11.0802  | Data Modeling/Warehousing and Database Administration                | 2    | 1    | 1    | 6    | 4    |
| 11.0899  | Computer Software and Media Applications, Other                      | 0    | 0    | 0    | 12   | 4    |
| 51.2211  | Health Services Administration                                       | 0    | 0    | 0    | 0    | 4    |
| 11.0803  | Computer Graphics  | 3    | 0    | 2    | 1    | 3    |

## Computer Occupations, All Other (15-1299)

| CIP Code | Program  | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|--|------|------|------|------|------|
| 52.0407  | Business/Office Automation/Technology/Data Entry                       | 4    | 5    | 0    | 1    | 3    |
| 52.0799  | Entrepreneurial and Small Business Operations, Other                   | 3    | 2    | 1    | 0    | 3    |
| 52.0305  | Accounting and Business/Management                                     | 17   | 8    | 2    | 0    | 1    |
| 52.1299  | Management Information Systems and Services, Other                     | 2    | 2    | 5    | 2    | 1    |
| 03.0103  | Environmental Studies  | 9    | 15   | 5    | 1    | 0    |
| 09.0903  | Advertising  | 0    | 0    | 0    | 0    | 0    |
| 10.0304  | Animation, Interactive Technology, Video Graphics, and Special Effects | 5    | 10   | 2    | 2    | 0    |
| 11.0199  | Computer and Information Sciences, Other                               | 24   | 20   | 0    | 0    | 0    |
| 11.0401  | Information Science/Studies  | 0    | 1    | 0    | 0    | 0    |
| 11.0601  | Data Entry/Microcomputer Applications, General                         | 3    | 1    | 0    | 2    | 0    |
| 11.0801  | Web Page, Digital/Multimedia and Information Resources Design          | 12   | 5    | 8    | 1    | 0    |
| 11.9999  | Computer and Information Sciences and Support Services, Other          | 0    | 0    | 0    | 0    | 0    |
| 15.1202  | Computer/Computer Systems Technology/ Technician                       | 0    | 0    | 0    | 0    | 0    |
| 30.0601  | Systems Science and Theory   | 0    | 0    | 0    | 0    | 0    |
| 30.1601  | Accounting and Computer Science  | 0    | 0    | 0    | 0    | 0    |
| 45.0702  | Geographic Information Science and Cartography                         | 0    | 0    | 0    | 0    | 0    |
| 50.0411  | Game and Interactive Media Design                                      | 15   | 24   | 11   | 12   | 0    |
| 52.0208  | E-Commerce/Electronic Commerce   | 0    | 0    | 0    | 0    | 0    |
| 52.0399  | Accounting and Related Services, Other                                 | 6    | 1    | 0    | 0    | 0    |
| 52.0703  | Small Business Administration/Management                               | 7    | 8    | 2    | 1    | 0    |

## Computer Occupations, All Other (15-1299) 2020 Program Completions by Institution



### CIP Code

|                                   | 51.2211 | 11.0803 | 52.0407 | 52.0799 | 52.0305 | 52.1299 |
|-----------------------------------|---------|---------|---------|---------|---------|---------|
| Truckee Meadows Community College |         |         | 3       |         |         | 1       |
| University of Phoenix, Nevada     |         |         |         |         | 1       |         |
| Great Basin College               |         | 3       | 3       |         |         |         |
| Nevada Career Institute           |         | 4       |         |         |         |         |

## Computer Occupations, All Other (15-1299)

### CIP Code

|                                     | 52.0101 | 52.1401 | 11.0901 | 11.1005 | 14.0901 | 11.0701 | 11.0101 | 11.1003 | 52.1101 | 40.0601 | 03.0104 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ University of Nevada, Reno        | 164     | 175     |         |         | 141     |         | 95      |         | 33      | 18      | 43      |
| ■ College of Southern Nevada        |         |         | 205     | 174     |         |         | 102     |         |         |         | 1       |
| ■ University of Nevada, Las Vegas   |         | 118     |         |         | 24      | 161     | 2       | 47      | 41      |         |         |
| ■ Truckee Meadows Community College | 132     | 4       | 8       |         |         |         | 31      | 1       |         |         | 3       |
| ■ Career College of Northern Nevada |         |         |         |         |         |         |         |         |         |         |         |
| ■ Western Nevada College            | 8       |         | 7       |         |         |         | 7       |         |         |         |         |
| ■ University of Phoenix, Nevada     |         | 1       | 1       |         |         |         |         |         |         |         |         |
| ■ Sierra Nevada University          |         |         |         |         |         |         |         | 8       |         |         | 4       |
| ■ Nevada State College              |         |         |         |         |         |         |         |         |         |         | 4       |
| ■ Great Basin College               |         |         | 2       |         |         |         |         |         |         |         |         |
| ■ DeVry University-Nevada           | 1       |         | 3       |         |         |         |         |         |         |         |         |
| ■ Nevada Career Institute           |         |         |         |         |         |         |         |         |         |         |         |



## Computer Occupations, All Other (15-1299)

### CIP Code

|                                     | 43.0403 | 11.1099 | 11.0301 | 52.0701 | 45.0701 | 11.0201 | 11.1002 | 50.0102 | 11.0202 | 11.1001 | 51.0706 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ University of Nevada, Reno        |         |         |         |         | 27      |         |         |         |         |         |         |
| ■ College of Southern Nevada        | 50      |         |         |         | 24      | 22      |         |         |         |         |         |
| ■ University of Nevada, Las Vegas   | 47      | 39      | 22      |         |         |         |         |         |         |         |         |
| ■ Truckee Meadows Community College |         |         |         |         | 17      | 16      |         |         |         |         |         |
| ■ Career College of Northern Nevada |         |         |         |         |         | 11      | 16      |         |         |         |         |
| ■ Western Nevada College            |         |         |         |         |         |         |         |         |         |         |         |
| ■ University of Phoenix, Nevada     |         |         |         |         |         |         | 5       |         |         |         |         |
| ■ Sierra Nevada University          |         |         |         | 4       |         |         |         |         |         |         |         |
| ■ Nevada State College              |         |         |         |         |         |         |         |         |         |         |         |
| ■ Great Basin College               | 2       |         |         | 2       |         |         |         |         |         |         |         |
| ■ DeVry University-Nevada           |         |         |         |         |         |         |         |         |         |         |         |
| ■ Nevada Career Institute           |         |         |         |         |         |         |         |         |         |         |         |

## Computer Occupations, All Other (15-1299)

### CIP Code

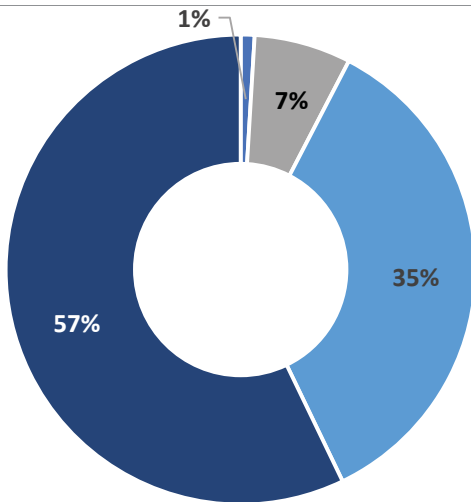
|                                     | 52.0203 | 52.0211 | 11.0103 | 52.1201 | 03.0101 | 11.1004 | 15.1201 | 52.9999 | 11.0501 | 11.0802 | 11.0899 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| ■ University of Nevada, Reno        |         |         |         |         | 7       |         |         |         |         |         |         |
| ■ College of Southern Nevada        |         | 12      |         |         | 7       |         |         |         | 1       | 4       | 4       |
| ■ University of Nevada, Las Vegas   |         |         |         | 2       |         |         |         |         |         |         |         |
| ■ Truckee Meadows Community College |         |         | 15      |         | 6       |         | 5       |         |         |         |         |
| ■ Career College of Northern Nevada |         |         |         |         |         |         |         |         |         |         |         |
| ■ Western Nevada College            |         |         |         |         |         |         |         |         |         |         |         |
| ■ University of Phoenix, Nevada     |         |         |         | 3       |         |         | 5       |         |         |         |         |
| ■ Sierra Nevada University          |         |         |         |         |         |         |         |         |         |         |         |
| ■ Nevada State College              |         |         |         |         |         |         |         | 7       |         | 5       |         |
| ■ Great Basin College               |         |         |         |         |         |         |         |         |         |         |         |
| ■ DeVry University-Nevada           |         |         |         |         |         |         | 1       |         |         |         | 3       |
| ■ Nevada Career Institute           |         |         |         |         |         |         |         |         |         |         |         |

## Data Scientists and Mathematical Science Occupations, All Other (15-2098)

|   |  |  |   |
|---|--|--|---|
| <b>207</b><br>Jobs (2020)<br>345 jobs <b>below</b> National average | <b>105</b><br>Total Program Completions (2020)<br>30 Annual Openings | <b>\$54.67</b><br>Avg. Hourly Earnings (2020)<br>National Average: \$49.98 | <b>104</b><br>In-Demand Occupational Rank<br>of 754 occupations |
|---|--|--|---|

|   |   |  |
|---|---|--|
| <b>Typical Entry Level Education</b><br>Bachelor's degree | <b>Work Experience Required</b><br>None | <b>Typical On-The-Job Training</b><br>None |
|---|---|--|

### 2020 Program Completions by Institution



|                                     | <b>CIP Code</b> |
|-------------------------------------|-----------------|
|                                     | <b>27.0101</b>  |
| ■ University of Nevada, Reno        | 60              |
| ■ University of Nevada, Las Vegas   | 37              |
| ■ Truckee Meadows Community College | 7               |
| ■ College of Southern Nevada        | 1               |

### Educational Program Completions

| CIP Code | Program                      | 2016 | 2017 | 2018 | 2019 | 2020 |
|----------|------------------------------|------|------|------|------|------|
| 27.0101  | Mathematics, General         | 70   | 80   | 87   | 85   | 105  |
| 27.0301  | Applied Mathematics, General | 0    | 0    | 0    | 0    | 0    |
| 27.0501  | Statistics, General          | 0    | 0    | 0    | 0    | 0    |



# **Information Technology Career Cluster**

## *Educational Programs*

## Information Technology Career Cluster Educational Program Summary

|  |   |   |   |   |
|--|---|---|---|---|
| <b>607,216</b><br>Jobs (2020)<br>6% below National average | <b>7.1%</b><br>% Change (2020-2025)<br>Nation: 3.3% | <b>\$48,567</b><br>Median Annual Earnings<br>Nation: \$53,955 | <b>20,061</b><br>Avg. Monthly Postings (2021)<br>35,424 Avg. Monthly Hires (2021) | <b>6,372</b><br>Program Completions<br>72,370 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 2,854            | 13.4%                |
| Non-Distance Offered Programs | 3,518            | 23.2%                |
| <b>All Programs</b>           | <b>6,372</b>     | <b>18.6%</b>         |

| Institution                           | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada            | 2,136              | 4.0%                | 33.5%               | \$3,878                     |
| University of Nevada-Las Vegas        | 1,318              | 9.7%                | 20.7%               | \$8,465                     |
| University of Nevada-Reno             | 1,047              | 1.4%                | 16.4%               | \$8,695                     |
| Truckee Meadows Community College     | 761                | 12.2%               | 11.9%               | \$2,862                     |
| Western Nevada College                | 460                | 1.1%                | 7.2%                | \$3,548                     |
| Great Basin College                   | 146                | 6.6%                | 2.3%                | \$3,593                     |
| Advanced Training Institute           | 113                | (11.0%)             | 1.8%                | N/A                         |
| Nevada State College                  | 111                | 7.8%                | 1.7%                | \$6,075                     |
| University of Phoenix-Nevada          | 71                 | (35.5%)             | 1.1%                | \$9,552                     |
| Career College of Northern Nevada     | 68                 | (33.3%)             | 1.1%                | N/A                         |
| Sierra Nevada University              | 62                 | 26.5%               | 1.0%                | \$35,508                    |
| Roseman University of Health Sciences | 28                 | (34.9%)             | 0.4%                | \$36,533                    |
| DeVry University-Nevada               | 25                 | (40.5%)             | 0.4%                | \$15,368                    |
| Northwest Career College              | 20                 | 300.0%              | 0.3%                | N/A                         |
| Nevada Career Institute               | 4                  | Insf. Data          | 0.1%                | N/A                         |
| Carrington College-Las Vegas          | 2                  | (77.8%)             | 0.0%                | N/A                         |

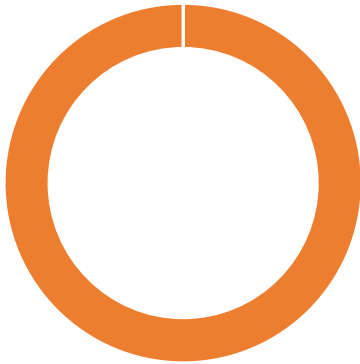
### Job Postings Summary

|  |   |
|--|---|
| <b>240,731</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>1,244,072 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

## Natural Resources/Conservation, General (03.0101)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>98,296</b><br>Jobs (2020)<br>9% below National average | <b>7.5%</b><br>% Change (2020-2025)<br>Nation: 4.3% | <b>\$70,894</b><br>Median Annual Earnings<br>Nation: \$74,351 | <b>3,463</b><br>Avg. Monthly Postings (2021)<br>4,336 Avg. Monthly Hires (2021) | <b>7</b><br>Program Completions<br>9,925 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 7                | 0.0%                 |
| <b>All Programs</b>           | <b>7</b>         | <b>0.0%</b>          |

| Institution               | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno | 7                  | 40.0%               | 100.0%              | \$8,695                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>41,560</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>180,018 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |

## Natural Resources/Conservation, General (03.0101)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Management Analysts  | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Lawyers  | 5,612     | 409             | \$57.51         | 12.02%               | 0.75                     |
| Market Research Analysts and Marketing Specialists                 | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Sales Managers   | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Compliance Officers  | 2,469     | 239             | \$33.86         | 8.43%                | 0.81                     |
| Computer Occupations, All Other                                    | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Social and Human Service Assistants                                | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers   | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Occupational Health and Safety Specialists                         | 1,085     | 93              | \$35.33         | 6.60%                | 1.25                     |
| Environmental Scientists and Specialists, Including Health         | 470       | 56              | \$33.80         | 9.42%                | 0.60                     |
| Environmental Engineers  | 465       | 41              | \$44.10         | 6.66%                | 1.01                     |
| Environmental Science and Protection Technicians, Including Health | 408       | 58              | \$20.18         | 8.22%                | 1.33                     |
| Medical Scientists, Except Epidemiologists                         | 287       | 34              | \$42.05         | 20.97%               | 0.23                     |

## Environmental Studies (03.0103)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>98,296</b><br>Jobs (2020)<br>9% below National average | <b>7.5%</b><br>% Change (2020-2025)<br>Nation: 4.3% | <b>\$70,894</b><br>Median Annual Earnings<br>Nation: \$74,351 | <b>3,463</b><br>Avg. Monthly Postings (2021)<br>4,336 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>9,925 Annual Openings |
|---|---|---|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|  |  |
|--|--|
| <b>41,560</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>180,018 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Lawyers   | 5,612     | 409             | \$57.51         | 12.02%               | 0.75                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Compliance Officers   | 2,469     | 239             | \$33.86         | 8.43%                | 0.81                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Social and Human Service Assistants   | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Occupational Health and Safety Specialists  | 1,085     | 93              | \$35.33         | 6.60%                | 1.25                     |
| Environmental Scientists and Specialists, Including Health  | 470       | 56              | \$33.80         | 9.42%                | 0.60                     |
| Environmental Engineers   | 465       | 41              | \$44.10         | 6.66%                | 1.01                     |



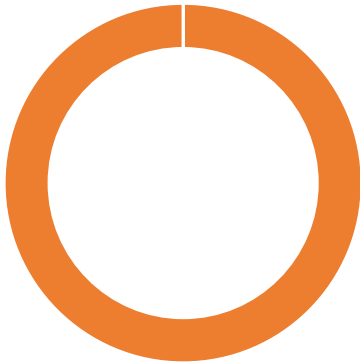
## Environmental Studies (03.0103)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Environmental Science and Protection Technicians, Including Health | 408       | 58              | \$20.18         | 8.22%                | 1.33                     |
| Medical Scientists, Except Epidemiologists                         | 287       | 34              | \$42.05         | 20.97%               | 0.23                     |

## Environmental Science (03.0104)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>98,296</b><br>Jobs (2020)<br>9% below National average | <b>7.5%</b><br>% Change (2020-2025)<br>Nation: 4.3% | <b>\$70,894</b><br>Median Annual Earnings<br>Nation: \$74,351 | <b>3,463</b><br>Avg. Monthly Postings (2021)<br>4,336 Avg. Monthly Hires (2021) | <b>55</b><br>Program Completions<br>9,925 Annual Openings |
|---|---|---|---|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 55               | 205.6%               |
| <b>All Programs</b>           | <b>55</b>        | <b>205.6%</b>        |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno         | 43                 | (4.4%)              | 78.2%               | \$8,695                     |
| Sierra Nevada University          | 4                  | (33.3%)             | 7.3%                | \$35,508                    |
| Nevada State College              | 4                  | 0.0%                | 7.3%                | \$6,075                     |
| Truckee Meadows Community College | 3                  | 0.0%                | 5.5%                | \$2,862                     |
| College of Southern Nevada        | 1                  | Insf. Data          | 1.8%                | \$3,878                     |

## Job Postings Summary

|   |   |
|---|---|
| <b>41,560</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>180,018 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |

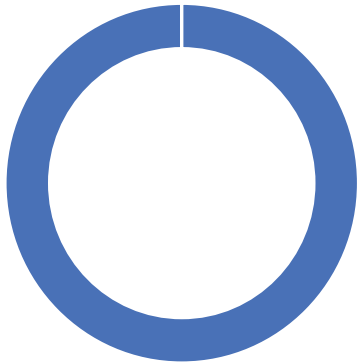
## Environmental Science (03.0104)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Lawyers   | 5,612     | 409             | \$57.51         | 12.02%               | 0.75                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Compliance Officers   | 2,469     | 239             | \$33.86         | 8.43%                | 0.81                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Social and Human Service Assistants   | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Occupational Health and Safety Specialists  | 1,085     | 93              | \$35.33         | 6.60%                | 1.25                     |
| Environmental Scientists and Specialists, Including Health  | 470       | 56              | \$33.80         | 9.42%                | 0.60                     |
| Environmental Engineers   | 465       | 41              | \$44.10         | 6.66%                | 1.01                     |
| Environmental Science and Protection Technicians, Including Health  | 408       | 58              | \$20.18         | 8.22%                | 1.33                     |
| Medical Scientists, Except Epidemiologists  | 287       | 34              | \$42.05         | 20.97%               | 0.23                     |
| Medical Scientists, Except Epidemiologists  | 287       | 34              | \$42.05         | 20.97%               | 0.23                     |

## Environmental/Natural Resources Management and Policy, General (03.0201)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>47,154</b><br>Jobs (2020)<br>9% above National average | <b>7.4%</b><br>% Change (2020-2025)<br>Nation: 4.7% | <b>\$64,980</b><br>Median Annual Earnings<br>Nation: \$69,666 | <b>1,110</b><br>Avg. Monthly Postings (2021)<br>2,178 Avg. Monthly Hires (2021) | <b>55</b><br>Program Completions<br>5,088 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 5                | (28.6%)              |
| Non-Distance Offered Programs | 0                | (100.0%)             |
| <b>All Programs</b>           | <b>5</b>         | <b>(78.3%)</b>       |

| Institution         | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------|--------------------|---------------------|---------------------|-----------------------------|
| Great Basin College | 5                  | 400.0%              | 100.0%              | \$3,593                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>13,319</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>57,911 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel                      | 9,889     | 1,285           | \$24.93         | 6.87%                | 1.09                     |

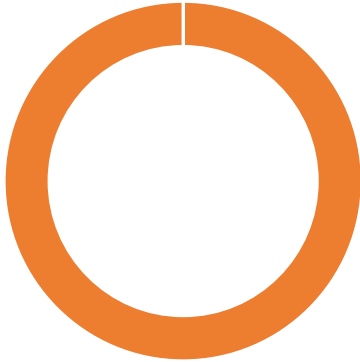
## Environmental/Natural Resources Management and Policy, General (03.0201)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors | 3,833     | 546             | \$26.12         | 14.44%               | 0.87                     |
| Chief Executives   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers  | 1,562     | 413             | \$11.13         | 5.80%                | 1.48                     |
| First-Line Supervisors of Firefighting and Prevention Workers  | 768       | 55              | \$41.22         | 2.85%                | 1.26                     |
| Forest and Conservation Technicians  | 621       | 82              | \$18.29         | 3.01%                | 1.90                     |
| Environmental Scientists and Specialists, Including Health   | 470       | 56              | \$33.80         | 9.42%                | 0.60                     |
| Natural Sciences Managers  | 355       | 32              | \$52.48         | 8.58%                | 0.48                     |
| Legislators  | 195       | 19              | \$78.82         | 8.67%                | 0.37                     |
| Foresters  | 148       | 15              | \$30.88         | 3.98%                | 1.45                     |
| Conservation Scientists  | 141       | 16              | \$34.72         | 9.45%                | 0.63                     |
| Fire Inspectors and Investigators  | 116       | 12              | \$44.58         | (0.13%)              | 0.86                     |
| Forest Fire Inspectors and Prevention Specialists  | 57        | 7               | \$9.90          | 11.93%               | 1.68                     |
| Fish and Game Wardens  | 46        | 5               | \$29.79         | 6.15%                | 0.69                     |
| Forest and Conservation Workers  | 31        | 6               | \$14.58         | 9.69%                | 0.22                     |

## Architectural and Building Sciences/Technology (04.0902)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>25,241</b><br>Jobs (2020)<br>6% below National average | <b>8.9%</b><br>% Change (2020-2025)<br>Nation: 3.7% | <b>\$66,430</b><br>Median Annual Earnings<br>Nation: \$74,461 | <b>303</b><br>Avg. Monthly Postings (2021)<br>1,304 Avg. Monthly Hires (2021) | <b>19</b><br>Program Completions<br>2,605 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 19               | Insf. Data           |
| <b>All Programs</b>           | <b>19</b>        | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas    | 16                 | (15.8%)             | 84.2%               | \$8,465                     |
| Truckee Meadows Community College | 3                  | 0.0%                | 15.8%               | \$2,862                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>3,637</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>14,625 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Construction Trades and Extraction Workers          | 6,984     | 818             | \$32.05         | 9.39%                | 1.13                     |
| Cost Estimators   | 2,038     | 217             | \$30.35         | 7.16%                | 1.11                     |
| Construction and Building Inspectors  | 1,067     | 134             | \$36.48         | 4.03%                | 0.96                     |

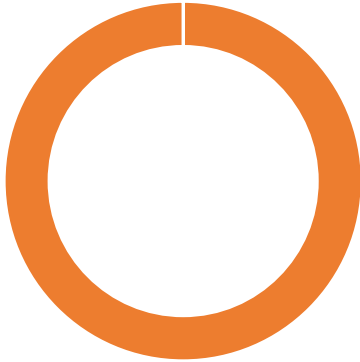
## Architectural and Building Sciences/Technology (04.0902)

| Occupation                             | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Architectural and Civil Drafters       | 1,036     | 113             | \$25.41         | 5.85%                | 1.15                     |
| Architectural and Engineering Managers | 949       | 96              | \$60.35         | 13.93%               | 0.53                     |
| Architects, Except Landscape and Naval | 532       | 59              | \$35.43         | 17.67%               | 0.46                     |

## Asian Studies/Civilization (05.0103)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>5,195</b><br>Jobs (2020)<br>35% below National average | <b>15.6%</b><br>% Change (2020-2025)<br>Nation: 11.6% | <b>\$53,761</b><br>Median Annual Earnings<br>Nation: \$62,812 | <b>241</b><br>Avg. Monthly Postings (2021)<br>308 Avg. Monthly Hires (2021) | <b>4</b><br>Program Completions<br>697 Annual Openings |
|---|---|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 4                | (42.9%)              |
| <b>All Programs</b>           | <b>4</b>         | <b>(42.9%)</b>       |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 4                  | (50.0%)             | 100.0%              | \$8,465                     |

## Job Postings Summary

|   |   |
|---|---|
| <b>2,893</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>14,116 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

## Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Interpreters and Translators                       | 866       | 119             | \$12.94         | 18.44%               | 1.08                     |
| Anthropologists and Archeologists                  | 403       | 42              | \$30.22         | 6.83%                | 4.88                     |
| Social Science Research Assistants                 | 128       | 20              | \$24.86         | 14.41%               | 0.33                     |
| Museum Technicians and Conservators                | 44        | 8               | \$19.96         | 25.39%               | 0.36                     |
| Historians   | 23        | 3               | \$28.70         | 14.30%               | 0.60                     |
| Geographers  | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |



## Latin American Studies (05.0107)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>5,195</b><br>Jobs (2020)<br>35% <b>below</b> National average | <b>15.6%</b><br>% Change (2020-2025)<br>Nation: 11.6% | <b>\$53,761</b><br>Median Annual Earnings<br>Nation: \$62,812 | <b>241</b><br>Avg. Monthly Postings (2021)<br>308 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>697 Annual Openings |
|--|---|---|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|  |  |
|--|--|
| <b>2,893</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>14,116 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

## Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Interpreters and Translators                       | 866       | 119             | \$12.94         | 18.44%               | 1.08                     |
| Anthropologists and Archeologists                  | 403       | 42              | \$30.22         | 6.83%                | 4.88                     |
| Social Science Research Assistants                 | 128       | 20              | \$24.86         | 14.41%               | 0.33                     |
| Museum Technicians and Conservators                | 44        | 8               | \$19.96         | 25.39%               | 0.36                     |
| Historians   | 23        | 3               | \$28.70         | 14.30%               | 0.60                     |
| Geographers  | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## German Studies (05.0125)

|   |  |  |  |   |
|---|--|--|--|---|
| <b>5,195</b><br><b>Jobs (2020)</b><br>35% <b>below</b> National average | <b>15.6%</b><br><b>% Change (2020-2025)</b><br>Nation: 11.6% | <b>\$53,761</b><br><b>Median Annual Earnings</b><br>Nation: \$62,812 | <b>241</b><br><b>Avg. Monthly Postings (2021)</b><br>308 Avg. Monthly Hires (2021) | <b>0</b><br><b>Program Completions</b><br>697 Annual Openings |
|---|--|--|--|---|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|   |   |
|---|---|
| <b>2,893</b><br><b>Unique Postings (Jan 2021 - Dec 2021)</b><br>14,116 Total Postings | <b>5 : 1</b><br><b>Posting Intensity (Jan 2021 - Dec 2021)</b><br>Regional Average: 5 : 1 |
|---|---|

## Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Interpreters and Translators                       | 866       | 119             | \$12.94         | 18.44%               | 1.08                     |
| Anthropologists and Archeologists                  | 403       | 42              | \$30.22         | 6.83%                | 4.88                     |
| Social Science Research Assistants                 | 128       | 20              | \$24.86         | 14.41%               | 0.33                     |
| Museum Technicians and Conservators                | 44        | 8               | \$19.96         | 25.39%               | 0.36                     |
| Historians   | 23        | 3               | \$28.70         | 14.30%               | 0.60                     |
| Geographers  | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## Area Studies, Other (05.0199)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>5,195</b><br>Jobs (2020)<br>35% <b>below</b> National average | <b>15.6%</b><br>% Change (2020-2025)<br>Nation: 11.6% | <b>\$53,761</b><br>Median Annual Earnings<br>Nation: \$62,812 | <b>241</b><br>Avg. Monthly Postings (2021)<br>308 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>697 Annual Openings |
|--|---|---|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|  |  |
|--|--|
| <b>2,893</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>14,116 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

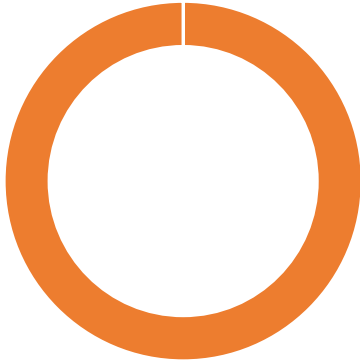
## Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Interpreters and Translators                       | 866       | 119             | \$12.94         | 18.44%               | 1.08                     |
| Anthropologists and Archeologists                  | 403       | 42              | \$30.22         | 6.83%                | 4.88                     |
| Social Science Research Assistants                 | 128       | 20              | \$24.86         | 14.41%               | 0.33                     |
| Museum Technicians and Conservators                | 44        | 8               | \$19.96         | 25.39%               | 0.36                     |
| Historians   | 23        | 3               | \$28.70         | 14.30%               | 0.60                     |
| Geographers  | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## Communication, General (09.0100)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>12,063</b><br>Jobs (2020)<br>32% below National average | <b>6.6%</b><br>% Change (2020-2025)<br>Nation: 7.9% | <b>\$60,899</b><br>Median Annual Earnings<br>Nation: \$72,490 | <b>708</b><br>Avg. Monthly Postings (2021)<br>580 Avg. Monthly Hires (2021) | <b>17</b><br>Program Completions<br>1,362 Annual Openings |
|--|---|---|---|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 17               | Insf. Data           |
| <b>All Programs</b>           | <b>17</b>        | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Nevada State College              | 14                 | 133.3%              | 82.4%               | \$6,075                     |
| Truckee Meadows Community College | 3                  | Insf. Data          | 17.6%               | \$2,862                     |

## Job Postings Summary

|   |   |
|---|---|
| <b>8,501</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>34,361 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

## Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Marketing Managers                                 | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Public Relations Specialists                       | 1,369     | 144             | \$27.82         | 6.07%                | 0.57                     |
| Writers and Authors                                | 1,298     | 143             | \$20.67         | 6.35%                | 1.12                     |
| Producers and Directors                            | 838       | 78              | \$32.71         | 0.01%                | 0.67                     |

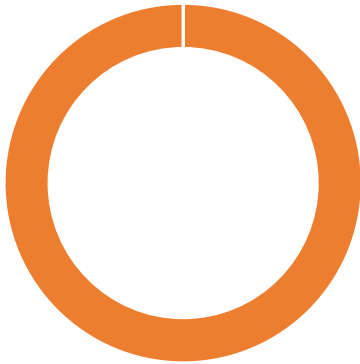
## Communication, General (09.0100)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Media and Communication Workers, All Other                        | 741       | 69              | \$26.80         | (6.05%)              | 3.09                     |
| Editors   | 562       | 57              | \$25.60         | (1.13%)              | 0.52                     |
| Public Relations and Fundraising Managers                         | 421       | 47              | \$51.52         | 9.91%                | 0.52                     |
| News Analysts, Reporters, and Journalists                         | 339       | 36              | \$19.34         | (4.50%)              | 0.78                     |
| Broadcast Announcers and Radio Disc Jockeys                       | 309       | 27              | \$17.60         | (16.58%)             | 1.10                     |
| Agents and Business Managers of Artists, Performers, and Athletes | 283       | 29              | \$23.12         | (14.00%)             | 1.42                     |
| Technical Writers   | 265       | 34              | \$33.46         | 16.62%               | 0.57                     |
| Advertising and Promotions Managers                               | 193       | 18              | \$42.50         | (8.69%)              | 0.86                     |

## Mass Communication/Media Studies (09.0102)

|  |   |   |  |  |
|--|---|---|--|--|
| <b>11,647</b><br>Jobs (2020)<br>36% below National average | <b>7.5%</b><br>% Change (2020-2025)<br>Nation: 7.7% | <b>\$61,105</b><br>Median Annual Earnings<br>Nation: \$72,241 | <b>34,746</b><br>Avg. Monthly Postings (2021)<br>567 Avg. Monthly Hires (2021) | <b>127</b><br>Program Completions<br>1,346 Annual Openings |
|--|---|---|--|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 127              | 58.8%                |
| <b>All Programs</b>           | <b>127</b>       | <b>58.8%</b>         |

| Institution                     | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada, Las Vegas | 127                | 22.1%               | 100.0%              | \$8,465                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>8,535</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>34,746 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Marketing Managers                                 | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Public Relations Specialists                       | 1,369     | 144             | \$27.82         | 6.07%                | 0.57                     |
| Writers and Authors                                | 1,298     | 143             | \$20.67         | 6.35%                | 1.12                     |
| Producers and Directors                            | 838       | 78              | \$32.71         | 0.01%                | 0.67                     |
| Advertising Sales Agents                           | 634       | 80              | \$22.85         | (3.80%)              | 0.61                     |
| Editors  | 562       | 57              | \$25.60         | (1.13%)              | 0.52                     |

## Mass Communication/Media Studies (09.0102)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Public Relations and Fundraising Managers                         | 421       | 47              | \$51.52         | 9.91%                | 0.52                     |
| News Analysts, Reporters, and Journalists                         | 339       | 36              | \$19.34         | (4.50%)              | 0.78                     |
| Agents and Business Managers of Artists, Performers, and Athletes | 283       | 29              | \$23.12         | (14.00%)             | 1.42                     |
| Technical Writers   | 265       | 34              | \$33.46         | 16.62%               | 0.57                     |
| Advertising and Promotions Managers                               | 193       | 18              | \$42.50         | (8.69%)              | 0.86                     |

## Advertising (09.0903)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>9,790</b><br>Jobs (2020)<br>35% below National average | <b>9.8%</b><br>% Change (2020-2025)<br>Nation: 7.7% | <b>\$57,016</b><br>Median Annual Earnings<br>Nation: \$67,407 | <b>858</b><br>Avg. Monthly Postings (2021)<br>441 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,138 Annual Openings |
|---|---|---|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|   |  |
|---|--|
| <b>10,295</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>40,287 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

## Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Computer Occupations, All Other                    | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Graphic Designers                                  | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Writers and Authors                                | 1,298     | 143             | \$20.67         | 6.35%                | 1.12                     |
| Advertising Sales Agents                           | 634       | 80              | \$22.85         | (3.80%)              | 0.61                     |
| Advertising and Promotions Managers                | 193       | 18              | \$42.50         | (8.69%)              | 0.86                     |



## Graphic Communications, General (10.0301)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>8,753</b><br>Jobs (2020)<br>17% <b>below</b> National average | <b>3.2%</b><br>% Change (2020-2025)<br>Nation: 2.7% | <b>\$44,505</b><br>Median Annual Earnings<br>Nation: \$52,563 | <b>293</b><br>Avg. Monthly Postings (2021)<br>386 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>931 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>3,512</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>15,802 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Graphic Designers   | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Photographers   | 1,592     | 149             | \$12.84         | (6.49%)              | 1.36                     |
| Printing Press Operators                                      | 1,565     | 191             | \$16.89         | 4.66%                | 1.09                     |
| Web Developers and Digital Interface Designers                | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Producers and Directors                                       | 838       | 78              | \$32.71         | 0.01%                | 0.67                     |
| Art Directors   | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Cartographers and Photogrammetrists                           | 298       | 28              | \$38.40         | 3.36%                | 2.37                     |
| Special Effects Artists and Animators                         | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |
| Film and Video Editors  | 278       | 33              | \$30.58         | 3.10%                | 0.83                     |
| Prepress Technicians and Workers                              | 180       | 26              | \$22.32         | 3.82%                | 0.72                     |
| Print Binding and Finishing Workers                           | 155       | 25              | \$15.22         | 19.08%               | 0.42                     |
| Commercial and Industrial Designers                           | 110       | 14              | \$30.41         | 15.80%               | 0.38                     |
| Desktop Publishers  | 27        | 3               | \$23.07         | (4.81%)              | 0.39                     |
| Photographic Process Workers and Processing Machine Operators | 25        | 6               | \$17.25         | 27.11%               | 0.27                     |

## Animation, Interactive Technology, Video Graphics, and Special Effects (10.0304)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>4,866</b><br>Jobs (2020)<br>32% below National average | <b>7.9%</b><br>% Change (2020-2025)<br>Nation: 5.4% | <b>\$59,503</b><br>Median Annual Earnings<br>Nation: \$72,366 | <b>607</b><br>Avg. Monthly Postings (2021)<br>167 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>500 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>7,289</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>25,653 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

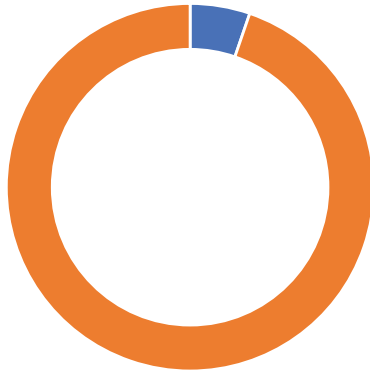
### Target Occupations

| Occupation                            | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other       | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Graphic Designers                     | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Art Directors                         | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Special Effects Artists and Animators | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |

## Computer and Information Sciences, General (11.0101)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>26,743</b><br>Jobs (2020)<br>44% below National average | <b>12.7%</b><br>% Change (2020-2025)<br>Nation: 8.3% | <b>\$75,071</b><br>Median Annual Earnings<br>Nation: \$92,826 | <b>2,082</b><br>Avg. Monthly Postings (2021)<br>1,146 Avg. Monthly Hires (2021) | <b>133</b><br>Program Completions<br>2,741 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 7                | Insf. Data           |
| Non-Distance Offered Programs | 126              | 68.0%                |
| <b>All Programs</b>           | <b>133</b>       | <b>77.3%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno         | 95                 | (7.8%)              | 71.4%               | \$8,695                     |
| Truckee Meadows Community College | 31                 | 10.7%               | 23.3%               | \$2,862                     |
| Western Nevada College            | 7                  | 16.7%               | 5.3%                | \$3,548                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>24,978</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>103,953 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |

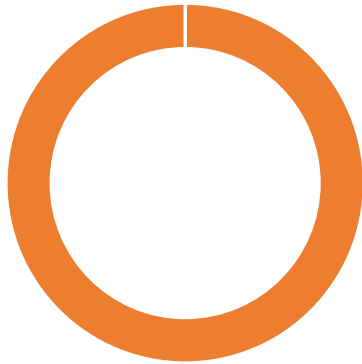
## Computer and Information Sciences, General (11.0101)

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Systems Analysts                      | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists           | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators    | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers                           | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Data Entry Keyers                              | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Database Administrators and Architects         | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                    | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts                  | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer and Information Research Scientists   | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Information Technology (11.0103)

|  |  |   |   |   |
|--|--|---|---|---|
| <b>25,663</b><br>Jobs (2020)<br>44% below National average | <b>12.8%</b><br>% Change (2020-2025)<br>Nation: 8.3% | <b>\$75,784</b><br>Median Annual Earnings<br>Nation: \$93,619 | <b>1,970</b><br>Avg. Monthly Postings (2021)<br>1,106 Avg. Monthly Hires (2021) | <b>11</b><br>Program Completions<br>2,637 Annual Openings |
|--|--|---|---|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 11               | (87.9%)              |
| <b>All Programs</b>           | <b>11</b>        | <b>(87.9%)</b>       |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 6                  | 500.0%              | 54.5%               | \$2,862                     |
| University of Phoenix-Nevada      | 5                  | 150.0%              | 45.5%               | \$9,552                     |

## Job Postings Summary

|  |   |
|--|---|
| <b>23,641</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>98,809 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |

## Information Technology (11.0103)

| Occupation                                   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Network Support Specialists         | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators  | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers                         | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Data Entry Keyers                            | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Database Administrators and Architects       | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                  | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts                | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer and Information Research Scientists | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Computer and Information Sciences, Other (11.0199)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>26,743</b><br>Jobs (2020)<br>44% below National average | <b>12.7%</b><br>% Change (2020-2025)<br>Nation: 8.3% | <b>\$75,071</b><br>Median Annual Earnings<br>Nation: \$92,826 | <b>2,082</b><br>Avg. Monthly Postings (2021)<br>1,146 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>2,741 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>24,978</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>103,953 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

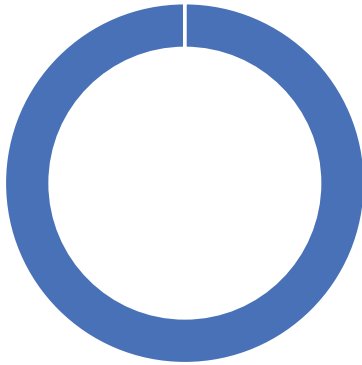
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists                                    | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators                             | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers  | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Data Entry Keyers   | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Web Developers and Digital Interface Designers                          | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Database Administrators and Architects                                  | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects   | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer and Information Research Scientists                            | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Computer Programming/Programmer, General (11.0201)

|  |  |  |   |   |
|--|--|--|---|---|
| <b>16,051</b><br>Jobs (2020)<br>51% below National average | <b>15.9%</b><br>% Change (2020-2025)<br>Nation: 9.9% | <b>\$85,873</b><br>Median Annual Earnings<br>Nation: \$103,566 | <b>1,419</b><br>Avg. Monthly Postings (2021)<br>676 Avg. Monthly Hires (2021) | <b>24</b><br>Program Completions<br>1,745 Annual Openings |
|--|--|--|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 24               | Insf. Data           |
| Non-Distance Offered Programs | 0                | (100.0%)             |
| <b>All Programs</b>           | <b>24</b>        | <b>9.1%</b>          |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 24                 | (7.7%)              | 100.0%              | \$3,878                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>17,031</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>54,586 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

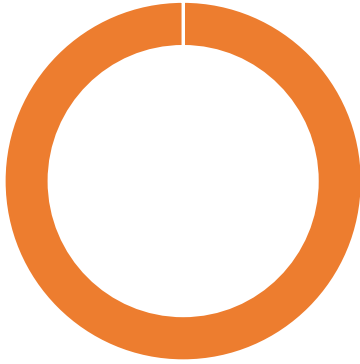
| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists                                    | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Computer Programmers  | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Web Developers and Digital Interface Designers                          | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Computer and Information Research Scientists                            | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |



## Computer Programming, Specific Applications (11.0202)

|  |   |  |   |   |
|--|---|--|---|---|
| <b>14,539</b><br>Jobs (2020)<br>53% below National average | <b>16.6%</b><br>% Change (2020-2025)<br>Nation: 10.2% | <b>\$90,068</b><br>Median Annual Earnings<br>Nation: \$105,937 | <b>1,400</b><br>Avg. Monthly Postings (2021)<br>622 Avg. Monthly Hires (2021) | <b>16</b><br>Program Completions<br>1,603 Annual Openings |
|--|---|--|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 16               | 220.0%               |
| <b>All Programs</b>           | <b>16</b>        | <b>220.0%</b>        |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 16                 | 45.5%               | 100.0%              | \$2,862                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>16,797</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>53,610 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

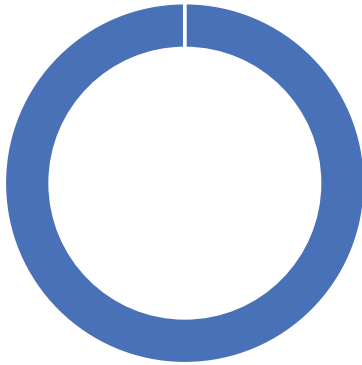
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Programmers  | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Web Developers and Digital Interface Designers                          | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Computer and Information Research Scientists                            | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Data Processing and Data Processing Technology/Technician (11.0301)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>4,118</b><br>Jobs (2020)<br>35% below National average | <b>7.9%</b><br>% Change (2020-2025)<br>Nation: 3.2% | <b>\$65,388</b><br>Median Annual Earnings<br>Nation: \$77,723 | <b>702</b><br>Avg. Monthly Postings (2021)<br>197 Avg. Monthly Hires (2021) | <b>39</b><br>Program Completions<br>421 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 39               | Insf. Data           |
| Non-Distance Offered Programs | 0                | (100.0%)             |
| <b>All Programs</b>           | <b>39</b>        | <b>875.0%</b>        |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 39                 | 14.7%               | 100.0%              | \$8,465                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>8,420</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>31,931 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation                             | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other        | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Data Entry Keyers                      | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Database Administrators and Architects | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |

## Information Science/Studies (11.0401)

|  |   |  |   |  |
|--|---|--|---|--|
| <b>11,145</b><br>Jobs (2020)<br>53% below National average | <b>19.4%</b><br>% Change (2020-2025)<br>Nation: 12.7% | <b>\$92,940</b><br>Median Annual Earnings<br>Nation: \$112,125 | <b>1,211</b><br>Avg. Monthly Postings (2021)<br>512 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,314 Annual Openings |
|--|---|--|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|   |  |
|---|--|
| <b>14,531</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>44,918 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

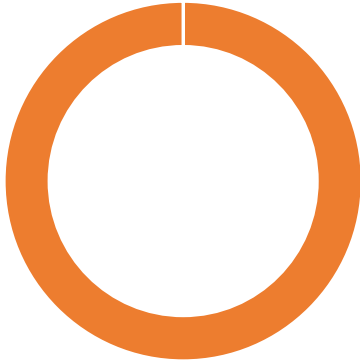
## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Biological Scientists, All Other  | 313       | 33              | \$32.22         | 7.74%                | 0.75                     |
| Computer and Information Research Scientists                            | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |
| Statistical Assistants  | 45        | 6               | \$27.36         | 9.18%                | 0.49                     |

## Computer Systems Analysis/Analyst (11.0501)

|  |   |  |   |  |
|--|---|--|---|--|
| <b>15,158</b><br>Jobs (2020)<br>53% below National average | <b>16.9%</b><br>% Change (2020-2025)<br>Nation: 10.3% | <b>\$88,765</b><br>Median Annual Earnings<br>Nation: \$106,476 | <b>1,408</b><br>Avg. Monthly Postings (2021)<br>656 Avg. Monthly Hires (2021) | <b>4</b><br>Program Completions<br>1,678 Annual Openings |
|--|---|--|---|--|

### 2020 Program Completions



|                                 | 2020 Completions | % Change (2012-2020) |
|---------------------------------|------------------|----------------------|
| ■ Distance Offered Programs     | 0                | 0.0%                 |
| ■ Non-Distance Offered Programs | 4                | 33.3%                |
| <b>All Programs</b>             | <b>4</b>         | <b>33.3%</b>         |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| DeVry University-Nevada    | 3                  | 0.0%                | 75.0%               | \$15,368                    |
| College of Southern Nevada | 1                  | Insf. Data          | 25.0%               | \$3,878                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>16,897</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>54,092 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists                                    | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Database Administrators and Architects                                  | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |

## Computer Systems Analysis/Analyst (11.0501)

| Occupation                                   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Network Architects                  | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Computer and Information Research Scientists | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Data Entry/Microcomputer Applications, General (11.0601)

|   |  |   |   |  |
|---|--|---|---|--|
| <b>33,561</b><br>Jobs (2020)<br>0% above National average | <b>3.1%</b><br>% Change (2020-2025)<br>Nation: -0.2% | <b>\$37,618</b><br>Median Annual Earnings<br>Nation: \$37,257 | <b>851</b><br>Avg. Monthly Postings (2021)<br>2,320 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>4,008 Annual Openings |
|---|--|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>10,214</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>61,958 Total Postings | <b>6 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

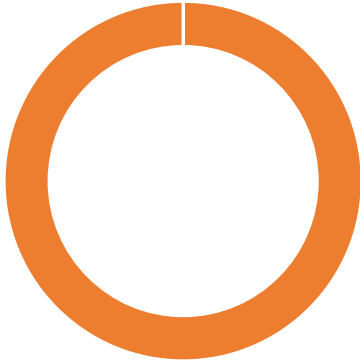
### Target Occupations

| Occupation                      | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Office Clerks, General          | 28,578    | 3,471           | \$17.89         | 2.91%                | 1.06                     |
| Computer Occupations, All Other | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| File Clerks                     | 1,434     | 168             | \$15.65         | (0.87%)              | 1.65                     |
| Data Entry Keyers               | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Word Processors and Typists     | 172       | 19              | \$13.60         | (11.34%)             | 0.37                     |

## Graphic Communications, General (11.0701)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>26,089</b><br>Jobs (2020)<br>44% below National average | <b>13.4%</b><br>% Change (2020-2025)<br>Nation: 8.9% | <b>\$77,314</b><br>Median Annual Earnings<br>Nation: \$94,956 | <b>2,045</b><br>Avg. Monthly Postings (2021)<br>1,077 Avg. Monthly Hires (2021) | <b>161</b><br>Program Completions<br>2,668 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 161              | 59.4%                |
| <b>All Programs</b>           | <b>161</b>       | <b>59.4%</b>         |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 161                | 35.3%               | 100.0%              | \$8,465                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>24,535</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>99,570 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists                                    | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators                             | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |

## Graphic Communications, General (11.0701)

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Programmers                           | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Database Administrators and Architects         | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                    | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts                  | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer Hardware Engineers                    | 273       | 24              | \$38.25         | 9.19%                | 0.45                     |
| Statisticians                                  | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |
| Computer and Information Research Scientists   | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |



## Web Page, Digital/Multimedia and Information Resources Design (11.0801)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>6,500</b><br>Jobs (2020)<br>34% <b>below</b> National average | <b>7.1%</b><br>% Change (2020-2025)<br>Nation: 4.4% | <b>\$65,636</b><br>Median Annual Earnings<br>Nation: \$75,926 | <b>758</b><br>Avg. Monthly Postings (2021)<br>229 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>614 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>9,096</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>33,559 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

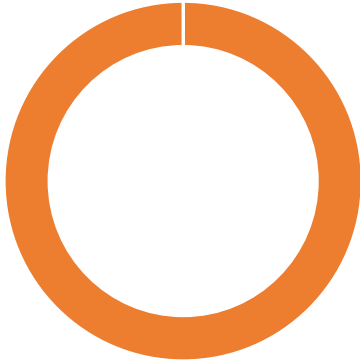
### Target Occupations

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other                | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Graphic Designers                              | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Computer Programmers                           | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Special Effects Artists and Animators          | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |

## Data Modeling/Warehousing and Database Administration (11.0802)

|   |  |   |   |  |
|---|--|---|---|--|
| <b>3,793</b><br>Jobs (2020)<br>43% below National average | <b>14.4%</b><br>% Change (2020-2025)<br>Nation: 9.6% | <b>\$82,944</b><br>Median Annual Earnings<br>Nation: \$95,668 | <b>754</b><br>Avg. Monthly Postings (2021)<br>153 Avg. Monthly Hires (2021) | <b>4</b><br>Program Completions<br>399 Annual Openings |
|---|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 4                | 33.3%                |
| <b>All Programs</b>           | <b>4</b>         | <b>33.3%</b>         |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 4                  | (20.0%)             | 100.0%              | \$3,878                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>9,053</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>31,538 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

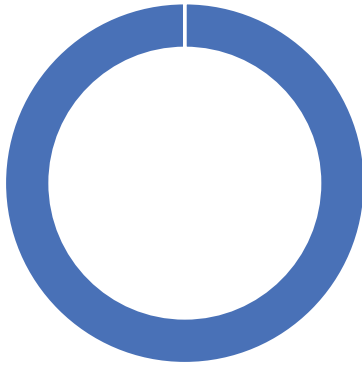
### Target Occupations

| Occupation                             | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other        | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Database Administrators and Architects | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Information Security Analysts          | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Statisticians                          | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |

## Computer Graphics (11.0803)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>6,048</b><br>Jobs (2020)<br>32% below National average | <b>6.5%</b><br>% Change (2020-2025)<br>Nation: 3.8% | <b>\$65,100</b><br>Median Annual Earnings<br>Nation: \$76,190 | <b>654</b><br>Avg. Monthly Postings (2021)<br>202 Avg. Monthly Hires (2021) | <b>3</b><br>Program Completions<br>585 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 3                | Insf. Data           |
| Non-Distance Offered Programs | 0                | (100.0%)             |
| <b>All Programs</b>           | <b>3</b>         | <b>(86.4%)</b>       |

| Institution         | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------|--------------------|---------------------|---------------------|-----------------------------|
| Great Basin College | 3                  | 200.0%              | 100.0%              | \$3,593                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>7,845</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>28,704 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

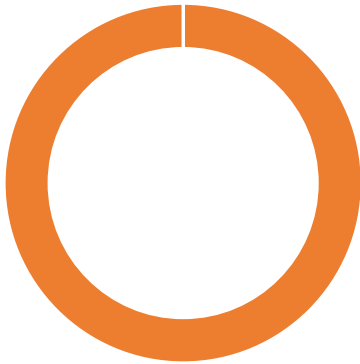
### Target Occupations

| Occupation                            | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other       | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Graphic Designers                     | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Computer Programmers                  | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Art Directors                         | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Special Effects Artists and Animators | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |

## Computer Software and Media Applications, Other (11.0899)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>50,482</b><br>Jobs (2020)<br>23% below National average | <b>7.1%</b><br>% Change (2020-2025)<br>Nation: 5.2% | <b>\$45,646</b><br>Median Annual Earnings<br>Nation: \$57,591 | <b>2,057</b><br>Avg. Monthly Postings (2021)<br>2,967 Avg. Monthly Hires (2021) | <b>4</b><br>Program Completions<br>5,711 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 4                | (33.3%)              |
| <b>All Programs</b>           | <b>4</b>         | <b>(33.3%)</b>       |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 4                  | (66.7%)             | 100.0%              | \$3,878                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>24,684</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>105,639 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Office Clerks, General  | 28,578    | 3,471           | \$17.89         | 2.91%                | 1.06                     |
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Graphic Designers   | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Computer Programmers  | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |

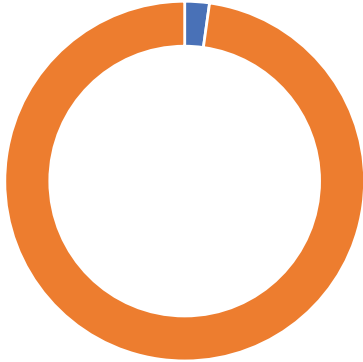
## Computer Software and Media Applications, Other (11.0899)

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Database Administrators and Architects         | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                    | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Special Effects Artists and Animators          | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |
| Computer and Information Research Scientists   | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Computer Systems Networking and Telecommunications (11.0901)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>25,301</b><br>Jobs (2020)<br>34% below National average | <b>10.3%</b><br>% Change (2020-2025)<br>Nation: 5.6% | <b>\$75,414</b><br>Median Annual Earnings<br>Nation: \$90,369 | <b>1,186</b><br>Avg. Monthly Postings (2021)<br>970 Avg. Monthly Hires (2021) | <b>226</b><br>Program Completions<br>2,400 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 5                | 400.0%               |
| Non-Distance Offered Programs | 221              | 82.6%                |
| <b>All Programs</b>           | <b>226</b>       | <b>85.2%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada        | 205                | 40.4%               | 90.7%               | \$3,878                     |
| Truckee Meadows Community College | 8                  | 0.0%                | 3.5%                | \$2,862                     |
| Western Nevada College            | 7                  | (22.2%)             | 3.1%                | \$3,548                     |
| DeVry University-Nevada           | 3                  | 0.0%                | 1.3%                | \$15,368                    |
| Great Basin College               | 2                  | (60.0%)             | 0.9%                | \$3,593                     |
| University of Phoenix-Nevada      | 1                  | Insf. Data          | 0.4%                | \$9,552                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>14,231</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>52,400 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |

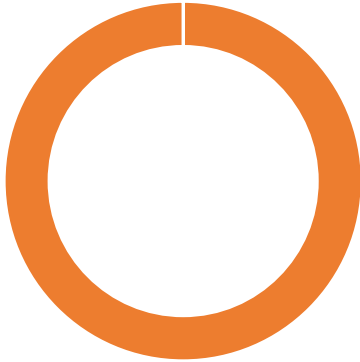
## Computer Systems Networking and Telecommunications (11.0901)

| Occupation                                   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer and Information Systems Managers    | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts                    | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists         | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators  | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers                         | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Database Administrators and Architects       | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                  | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts                | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer and Information Research Scientists | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Network and System Administration/Administrator (11.1001)

|   |  |   |   |   |
|---|--|---|---|---|
| <b>9,639</b><br>Jobs (2020)<br>45% below National average | <b>11.7%</b><br>% Change (2020-2025)<br>Nation: 5.7% | <b>\$81,029</b><br>Median Annual Earnings<br>Nation: \$96,102 | <b>878</b><br>Avg. Monthly Postings (2021)<br>382 Avg. Monthly Hires (2021) | <b>16</b><br>Program Completions<br>986 Annual Openings |
|---|--|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 16               | Insf. Data           |
| <b>All Programs</b>           | <b>16</b>        | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Career College of Northern Nevada | 11                 | (64.5%)             | 68.8%               | N/A                         |
| University of Phoenix-Nevada      | 5                  | Insf. Data          | 31.3%               | \$9,552                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>10,530</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>37,388 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

### Target Occupations

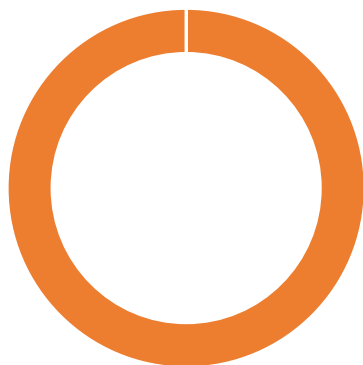
| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                                     | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Network Support Specialists  | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators                                   | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,050     | 133             | \$25.62         | 3.81%                | 0.58                     |
| Computer Network Architects   | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |



## System, Networking, and LAN/WAN Management/Manager (11.1002)

|   |  |   |   |   |
|---|--|---|---|---|
| <b>7,546</b><br>Jobs (2020)<br>43% below National average | <b>11.3%</b><br>% Change (2020-2025)<br>Nation: 5.3% | <b>\$73,602</b><br>Median Annual Earnings<br>Nation: \$83,647 | <b>849</b><br>Avg. Monthly Postings (2021)<br>302 Avg. Monthly Hires (2021) | <b>22</b><br>Program Completions<br>768 Annual Openings |
|---|--|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 22               | Insf. Data           |
| <b>All Programs</b>           | <b>22</b>        | <b>Insf. Data</b>    |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 22                 | 0.0%                | 100.0%              | \$3,878                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>10,193</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>36,002 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

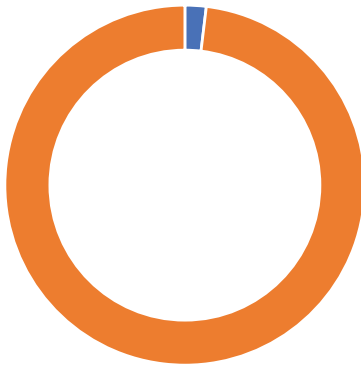
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer Network Support Specialists  | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators                                   | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,050     | 133             | \$25.62         | 3.81%                | 0.58                     |
| Computer Network Architects   | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |

## Computer and Information Systems Security/Auditing/Information Assurance (11.1003)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>24,247</b><br>Jobs (2020)<br>34% below National average | <b>10.8%</b><br>% Change (2020-2025)<br>Nation: 6.0% | <b>\$74,929</b><br>Median Annual Earnings<br>Nation: \$90,254 | <b>1,142</b><br>Avg. Monthly Postings (2021)<br>942 Avg. Monthly Hires (2021) | <b>105</b><br>Program Completions<br>2,333 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 2                | Insf. Data           |
| Non-Distance Offered Programs | 103              | 543.8%               |
| <b>All Programs</b>           | <b>105</b>       | <b>556.3%</b>        |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada        | 102                | 5.2%                | 97.1%               | \$3,878                     |
| University of Nevada-Las Vegas    | 2                  | Insf. Data          | 1.9%                | \$8,465                     |
| Truckee Meadows Community College | 1                  | 0.0%                | 1.0%                | \$2,862                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>13,705</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>49,123 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                                     | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |

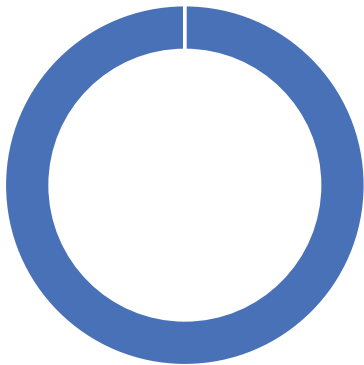
## Computer and Information Systems Security/Auditing/Information Assurance (11.1003)

| Occupation                                  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Network Support Specialists        | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Database Administrators and Architects      | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                 | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts               | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Statisticians                               | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |

## Web/Multimedia Management and Webmaster (11.1004)

|   |  |   |   |  |
|---|--|---|---|--|
| <b>4,083</b><br>Jobs (2020)<br>39% below National average | <b>11.3%</b><br>% Change (2020-2025)<br>Nation: 7.2% | <b>\$75,346</b><br>Median Annual Earnings<br>Nation: \$88,207 | <b>748</b><br>Avg. Monthly Postings (2021)<br>150 Avg. Monthly Hires (2021) | <b>7</b><br>Program Completions<br>402 Annual Openings |
|---|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 7                | 600.0%               |
| Non-Distance Offered Programs | 0                | 0.0%                 |
| <b>All Programs</b>           | <b>7</b>         | <b>600.0%</b>        |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 7                  | (12.5%)             | 100.0%              | \$3,878                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>8,972</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>32,040 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

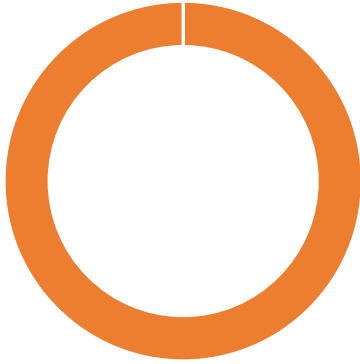
### Target Occupations

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other                | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Database Administrators and Architects         | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |

## Information Technology Project Management (11.1005)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>30,713</b><br>Jobs (2020)<br>13% below National average | <b>7.8%</b><br>% Change (2020-2025)<br>Nation: 5.4% | <b>\$74,512</b><br>Median Annual Earnings<br>Nation: \$85,521 | <b>2,007</b><br>Avg. Monthly Postings (2021)<br>1,049 Avg. Monthly Hires (2021) | <b>174</b><br>Program Completions<br>2,796 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 174              | Insf. Data           |
| <b>All Programs</b>           | <b>174</b>       | <b>Insf. Data</b>    |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 174                | 85.1%               | 100.0%              | \$3,878                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>24,086</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>107,752 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers   | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Network and Computer Systems Administrators   | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |

## Information Technology Project Management (11.1005)

| Occupation                    | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|-------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Data Entry Keyers             | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Computer Network Architects   | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |

## Computer Support Specialist (11.1006)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>8,934</b><br>Jobs (2020)<br>1% above National average | <b>6.1%</b><br>% Change (2020-2025)<br>Nation: 4.7% | <b>\$51,474</b><br>Median Annual Earnings<br>Nation: \$53,454 | <b>294</b><br>Avg. Monthly Postings (2021)<br>357 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>824 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>3,523</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>29,186 Total Postings | <b>8 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

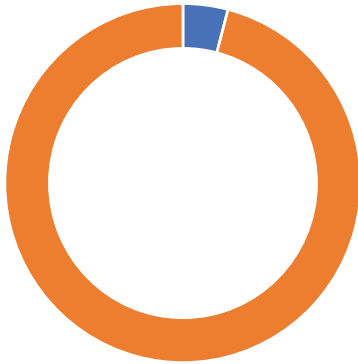
### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists                        | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Computer Network Support Specialists                     | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Computer, Automated Teller, and Office Machine Repairers | 1,310     | 149             | \$18.46         | 1.61%                | 1.33                     |

## Computer/Information Technology Services Administration and Management, Other (11.1099)

|  |  |   |   |   |
|--|--|---|---|---|
| <b>37,183</b><br>Jobs (2020)<br>36% below National average | <b>11.8%</b><br>% Change (2020-2025)<br>Nation: 8.0% | <b>\$72,621</b><br>Median Annual Earnings<br>Nation: \$90,573 | <b>1,969</b><br>Avg. Monthly Postings (2021)<br>1,514 Avg. Monthly Hires (2021) | <b>49</b><br>Program Completions<br>3,680 Annual Openings |
|--|--|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 2                | (33.3%)              |
| Non-Distance Offered Programs | 47               | Insf. Data           |
| <b>All Programs</b>           | <b>49</b>        | <b>1533.3%</b>       |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 47                 | 74.1%               | 95.9%               | \$8,465                     |
| Great Basin College            | 2                  | 0.0%                | 4.1%                | \$3,593                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>23,627</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>97,097 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers       | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                                     | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |



## Computer/Information Technology Services Administration and Management, Other (11.1099)

| Occupation                                   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Systems Analysts                    | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists         | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators  | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers                         | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Database Administrators and Architects       | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects                  | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts                | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer and Information Research Scientists | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Computer and Information Sciences and Support Services, Other (11.9999)

|   |  |   |  |  |
|---|--|---|--|--|
| <b>26,743</b><br>Jobs (2020)<br>44% <b>below</b> National average | <b>12.7%</b><br>% Change (2020-2025)<br>Nation: 8.3% | <b>\$75,071</b><br>Median Annual Earnings<br>Nation: \$92,826 | <b>2,082</b><br>Avg. Monthly Postings (May 2020 - Apr 2021)<br>1,146 Avg. Monthly Hires (May 2020- April 2021) | <b>0</b><br>Program Completions<br>2,741 Annual Openings |
|---|--|---|--|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>24,978</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>103,953 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

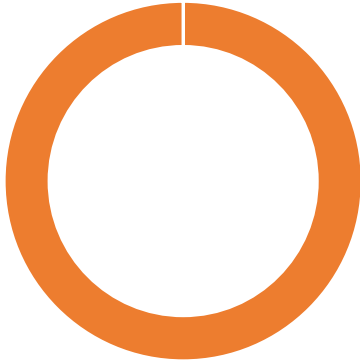
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists                                    | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Network and Computer Systems Administrators                             | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers  | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Data Entry Keyers   | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Web Developers and Digital Interface Designers                          | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Database Administrators and Architects                                  | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Computer Network Architects   | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Computer and Information Research Scientists                            | 61        | 8               | \$51.27         | 26.25%               | 0.21                     |

## Computer Engineering, General (14.0901)

|  |   |  |   |  |
|--|---|--|---|--|
| <b>11,595</b><br>Jobs (2020)<br>53% below National average | <b>18.8%</b><br>% Change (2020-2025)<br>Nation: 10.9% | <b>\$90,125</b><br>Median Annual Earnings<br>Nation: \$109,221 | <b>1,285</b><br>Avg. Monthly Postings (2021)<br>491 Avg. Monthly Hires (2021) | <b>165</b><br>Program Completions<br>1,315 Annual Openings |
|--|---|--|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | (100.0%)             |
| Non-Distance Offered Programs | 165              | 345.9%               |
| <b>All Programs</b>           | <b>165</b>       | <b>334.2%</b>        |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno      | 141                | 4.4%                | 85.5%               | \$8,695                     |
| University of Nevada-Las Vegas | 24                 | 41.2%               | 14.5%               | \$8,465                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>15,424</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>47,810 Total Postings | <b>3 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Engineers, All Other  | 1,065     | 93              | \$39.09         | 10.55%               | 0.68                     |
| Architectural and Engineering Managers                                  | 949       | 96              | \$60.35         | 13.93%               | 0.53                     |
| Electrical Engineers  | 651       | 77              | \$41.35         | 23.32%               | 0.38                     |

## Computer Engineering, General (14.0901)

| Occupation                  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|-----------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Network Architects | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |
| Computer Hardware Engineers | 273       | 24              | \$38.25         | 9.19%                | 0.45                     |

## Telecommunications Technology/Technician (15.0305)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>4,425</b><br>Jobs (2020)<br>20% <b>below</b> National average | <b>6.7%</b><br>% Change (2020-2025)<br>Nation: 0.3% | <b>\$60,046</b><br>Median Annual Earnings<br>Nation: \$71,255 | <b>168</b><br>Avg. Monthly Postings (2021)<br>210 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>505 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>2,013</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>8,632 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Electrical and Electronic Engineering Technologists and Technicians           | 1,419     | 170             | \$33.35         | 11.30%               | 1.31                     |
| Telecommunications Line Installers and Repairers                              | 1,329     | 151             | \$18.41         | 2.24%                | 1.15                     |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,050     | 133             | \$25.62         | 3.81%                | 0.58                     |
| Computer Network Architects   | 627       | 52              | \$46.85         | 10.36%               | 0.43                     |

## Environmental Control Technologies/Technicians, Other (15.0599)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>41,549</b><br>Jobs (2020)<br>8% above National average | <b>8.0%</b><br>% Change (2020-2025)<br>Nation: 4.2% | <b>\$70,023</b><br>Median Annual Earnings<br>Nation: \$76,547 | <b>1,226</b><br>Avg. Monthly Postings (2021)<br>1,767 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>4,105 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>14,712</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>64,281 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

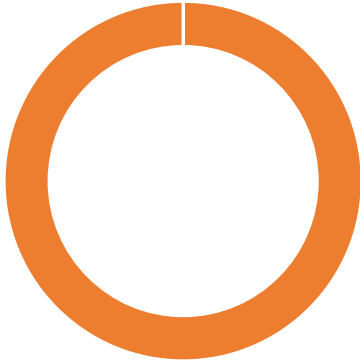
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Construction Trades and Extraction Workers  | 6,984     | 818             | \$32.05         | 9.39%                | 1.13                     |
| Installation, Maintenance, and Repair Workers, All Other  | 2,166     | 246             | \$22.90         | 4.40%                | 1.27                     |
| Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products                                 | 1,691     | 215             | \$42.08         | 12.15%               | 0.63                     |
| Architectural and Engineering Managers  | 949       | 96              | \$60.35         | 13.93%               | 0.53                     |
| Industrial Production Managers  | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Miscellaneous Construction and Related Workers  | 706       | 90              | \$18.90         | 3.40%                | 2.05                     |
| Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other   | 446       | 61              | \$35.30         | 18.06%               | 0.50                     |
| Power Plant Operators   | 428       | 41              | \$42.85         | (5.96%)              | 1.34                     |
| Solar Photovoltaic Installers   | 226       | 42              | \$22.55         | 28.83%               | 1.65                     |
| Plant and System Operators, All Other   | 71        | 9               | \$29.66         | 8.05%                | 0.49                     |
| Wind Turbine Service Technicians  | 27        | 6               | \$24.86         | 47.92%               | 0.36                     |

## Manufacturing Engineering Technology/Technician (15.0613)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>111,081</b><br>Jobs (2020)<br>11% below National average | <b>8.8%</b><br>% Change (2020-2025)<br>Nation: 5.7% | <b>\$72,748</b><br>Median Annual Earnings<br>Nation: \$77,370 | <b>4,852</b><br>Avg. Monthly Postings (2021)<br>4,979 Avg. Monthly Hires (2021) | <b>62</b><br>Program Completions<br>11,617 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions



|                                 | 2020 Completions | % Change (2012-2020) |
|---------------------------------|------------------|----------------------|
| ■ Distance Offered Programs     | 0                | 0.0%                 |
| ■ Non-Distance Offered Programs | 62               | 3000.0%              |
| <b>All Programs</b>             | <b>62</b>        | <b>3000.0%</b>       |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 50                 | 138.1%              | 80.6%               | \$2,862                     |
| Western Nevada College            | 12                 | (42.9%)             | 19.4%               | \$3,548                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>58,226</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>265,084 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Maintenance and Repair Workers, General   | 14,904    | 1,562           | \$21.86         | 4.19%                | 1.12                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products                          | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |

## Manufacturing Engineering Technology/Technician (15.0613)

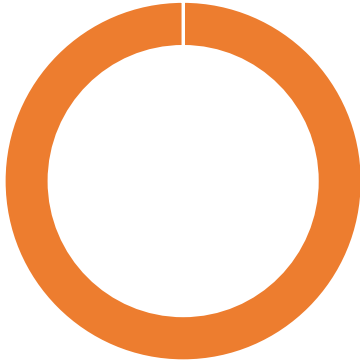
| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Electricians  | 7,937     | 963             | \$30.24         | 7.51%                | 1.19                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Computer User Support Specialists                                       | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Construction Managers   | 5,005     | 485             | \$39.03         | 11.07%               | 1.20                     |
| First-Line Supervisors of Mechanics, Installers, and Repairers          | 4,327     | 449             | \$34.50         | 6.58%                | 0.97                     |
| First-Line Supervisors of Production and Operating Workers              | 3,834     | 476             | \$28.74         | 11.00%               | 0.70                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Network and Computer Systems Administrators                             | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Electrical and Electronic Engineering Technologists and Technicians     | 1,419     | 170             | \$33.35         | 11.30%               | 1.31                     |
| Engineers, All Other  | 1,065     | 93              | \$39.09         | 10.55%               | 0.68                     |
| Mechanical Engineers  | 996       | 106             | \$43.42         | 21.33%               | 0.37                     |
| Architectural and Engineering Managers                                  | 949       | 96              | \$60.35         | 13.93%               | 0.53                     |
| Industrial Production Managers  | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Industrial Engineers  | 781       | 102             | \$43.19         | 29.91%               | 0.30                     |



## Computer Engineering Technology/Technician (15.1201)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>12,351</b><br>Jobs (2020)<br>11% below National average | <b>7.2%</b><br>% Change (2020-2025)<br>Nation: 4.1% | <b>\$54,711</b><br>Median Annual Earnings<br>Nation: \$59,959 | <b>926</b><br>Avg. Monthly Postings (2021)<br>503 Avg. Monthly Hires (2021) | <b>7</b><br>Program Completions<br>1,234 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 7                | Insf. Data           |
| <b>All Programs</b>           | <b>7</b>         | <b>Insf. Data</b>    |

| Institution          | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------|--------------------|---------------------|---------------------|-----------------------------|
| Nevada State College | 7                  | 40.0%               | 100.0%              | \$6,075                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>11,113</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>55,367 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Electrical and Electronic Engineering Technologists and Technicians           | 1,419     | 170             | \$33.35         | 11.30%               | 1.31                     |
| Computer, Automated Teller, and Office Machine Repairers                      | 1,310     | 149             | \$18.46         | 1.61%                | 1.33                     |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,050     | 133             | \$25.62         | 3.81%                | 0.58                     |
| Audiovisual Equipment Installers and Repairers                                | 198       | 24              | \$15.62         | 3.84%                | 0.73                     |

## Computer/Computer Systems Technology/Technician (15.1202)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>14,444</b><br>Jobs (2020)<br>25% <b>below</b> National average | <b>8.2%</b><br>% Change (2020-2025)<br>Nation: 4.4% | <b>\$58,929</b><br>Median Annual Earnings<br>Nation: \$68,636 | <b>1,057</b><br>Avg. Monthly Postings (2021)<br>584 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,449 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>12,688</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>60,340 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Electrical and Electronic Engineering Technologists and Technicians           | 1,419     | 170             | \$33.35         | 11.30%               | 1.31                     |
| Computer, Automated Teller, and Office Machine Repairers                      | 1,310     | 149             | \$18.46         | 1.61%                | 1.33                     |
| Telecommunications Equipment Installers and Repairers, Except Line Installers | 1,050     | 133             | \$25.62         | 3.81%                | 0.58                     |
| Audiovisual Equipment Installers and Repairers                                | 198       | 24              | \$15.62         | 3.84%                | 0.73                     |

## Energy Systems Technology/Technician (15.1701)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>17,246</b><br>Jobs (2020)<br>13% below National average | <b>8.4%</b><br>% Change (2020-2025)<br>Nation: 4.2% | <b>\$64,734</b><br>Median Annual Earnings<br>Nation: \$74,524 | <b>283</b><br>Avg. Monthly Postings (2021)<br>701 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,690 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>3,398</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>16,585 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

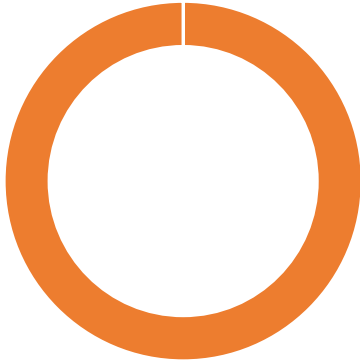
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other                                       | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Installation, Maintenance, and Repair Workers, All Other  | 2,166     | 246             | \$22.90         | 4.40%                | 1.27                     |
| Industrial Production Managers  | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other | 446       | 61              | \$35.30         | 18.06%               | 0.50                     |
| Power Plant Operators   | 428       | 41              | \$42.85         | (5.96%)              | 1.34                     |
| Stationary Engineers and Boiler Operators   | 144       | 19              | \$32.13         | 5.29%                | 0.44                     |
| Meter Readers, Utilities  | 138       | 11              | \$23.93         | (0.46%)              | 0.57                     |
| Power Distributors and Dispatchers  | 126       | 12              | \$54.81         | (7.34%)              | 1.23                     |
| Commercial and Industrial Designers   | 110       | 14              | \$30.41         | 15.80%               | 0.38                     |
| Gas Plant Operators   | 72        | 8               | \$33.73         | 0.69%                | 0.49                     |
| Plant and System Operators, All Other   | 71        | 9               | \$29.66         | 8.05%                | 0.49                     |
| Nuclear Power Reactor Operators   | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## Solar Energy Technology/Technician (15.1703)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>23,753</b><br>Jobs (2020)<br>8% below National average | <b>9.5%</b><br>% Change (2020-2025)<br>Nation: 4.2% | <b>\$65,869</b><br>Median Annual Earnings<br>Nation: \$74,560 | <b>372</b><br>Avg. Monthly Postings (2021)<br>1,233 Avg. Monthly Hires (2021) | <b>4</b><br>Program Completions<br>2,486 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 4                | Insf. Data           |
| <b>All Programs</b>           | <b>4</b>         | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 4                  | 33.3%               | 100.0%              | \$2,862                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>4,458</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>19,364 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other         | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Construction Trades and Extraction Workers                  | 6,984     | 818             | \$32.05         | 9.39%                | 1.13                     |
| Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products | 1,691     | 215             | \$42.08         | 12.15%               | 0.63                     |
| Engineers, All Other  | 1,065     | 93              | \$39.09         | 10.55%               | 0.68                     |
| Miscellaneous Construction and Related Workers  | 706       | 90              | \$18.90         | 3.40%                | 2.05                     |

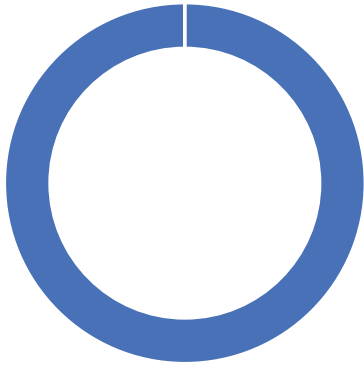
## Solar Energy Technology/Technician (15.1703)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Calibration Technologists and Technicians and Engineering Technologists and Technicians, Except Drafters, All Other | 446       | 61              | \$35.30         | 18.06%               | 0.50                     |
| Solar Photovoltaic Installers   | 226       | 42              | \$22.55         | 28.83%               | 1.65                     |

## Liberal Arts and Sciences/Liberal Studies (24.0101)

|  |   |   |  |   |
|--|---|---|--|---|
| <b>199,966</b><br>Jobs (2020)<br>5% below National average | <b>6.2%</b><br>% Change (2020-2025)<br>Nation: 2.1% | <b>\$46,569</b><br>Median Annual Earnings<br>Nation: \$50,938 | <b>7,055</b><br>Avg. Monthly Postings (2021)<br>11,342 Avg. Monthly Hires (2021) | <b>1,186</b><br>Program Completions<br>23,855 Annual Openings |
|--|---|---|--|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 1,186            | 32.5%                |
| Non-Distance Offered Programs | 0                | 0.0%                 |
| <b>All Programs</b>           | <b>1,186</b>     | <b>32.5%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada        | 563                | (0.7%)              | 47.5%               | \$3,878                     |
| Western Nevada College            | 293                | (12.0%)             | 24.7%               | \$3,548                     |
| Truckee Meadows Community College | 263                | (6.1%)              | 22.2%               | \$2,862                     |
| Great Basin College               | 67                 | 6.3%                | 5.6%                | \$3,593                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>84,660</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>464,018 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Retail Salespersons   | 41,491    | 6,053           | \$12.64         | 2.60%                | 1.19                     |
| Customer Service Representatives  | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |

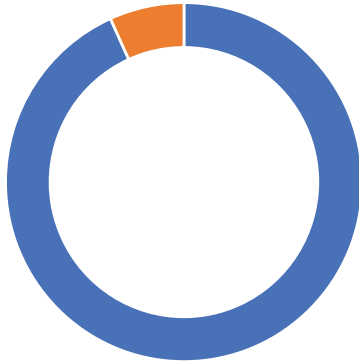
## Liberal Arts and Sciences/Liberal Studies (24.0101)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Postsecondary Teachers  | 8,204     | 1,014           | \$30.37         | 11.03%               | 0.51                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products                          | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Real Estate Sales Agents  | 5,993     | 607             | \$27.36         | 6.24%                | 1.54                     |
| Financial Managers  | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Human Resources Specialists   | 4,583     | 535             | \$25.69         | 9.34%                | 0.72                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Tutors and Teachers and Instructors, All Other  | 2,933     | 439             | \$23.19         | 13.88%               | 0.78                     |
| Social and Human Service Assistants   | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Executive Secretaries and Executive Administrative Assistants   | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |

## General Studies (24.0102)

|  |   |   |  |   |
|--|---|---|--|---|
| <b>199,966</b><br>Jobs (2020)<br>5% below National average | <b>6.2%</b><br>% Change (2020-2025)<br>Nation: 2.1% | <b>\$46,569</b><br>Median Annual Earnings<br>Nation: \$50,938 | <b>7,055</b><br>Avg. Monthly Postings (2021)<br>11,342 Avg. Monthly Hires (2021) | <b>695</b><br>Program Completions<br>23,855 Annual Openings |
|--|---|---|--|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 648              | 55.4%                |
| Non-Distance Offered Programs | 47               | (69.9%)              |
| <b>All Programs</b>           | <b>695</b>       | <b>21.3%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada        | 419                | 1.9%                | 60.3%               | \$3,878                     |
| Truckee Meadows Community College | 124                | 21.6%               | 17.8%               | \$2,862                     |
| Western Nevada College            | 93                 | 86.0%               | 13.4%               | \$3,548                     |
| University of Nevada-Reno         | 47                 | (37.3%)             | 6.8%                | \$8,695                     |
| Great Basin College               | 12                 | (14.3%)             | 1.7%                | \$3,593                     |

## Job Postings Summary

|   |   |
|---|---|
| <b>84,660</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>464,018 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

## Target Occupations

| Occupation                       | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|----------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Retail Salespersons              | 41,491    | 6,053           | \$12.64         | 2.60%                | 1.19                     |
| Customer Service Representatives | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers  | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |



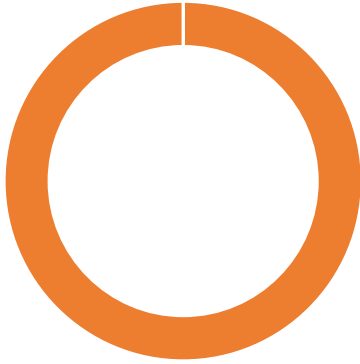
## General Studies (24.0102)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Postsecondary Teachers  | 8,204     | 1,014           | \$30.37         | 11.03%               | 0.51                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products                          | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Real Estate Sales Agents  | 5,993     | 607             | \$27.36         | 6.24%                | 1.54                     |
| Financial Managers  | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Human Resources Specialists   | 4,583     | 535             | \$25.69         | 9.34%                | 0.72                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Tutors and Teachers and Instructors, All Other  | 2,933     | 439             | \$23.19         | 13.88%               | 0.78                     |
| Social and Human Service Assistants   | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Executive Secretaries and Executive Administrative Assistants   | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |

## Liberal Arts and Sciences, General Studies and Humanities, Other (24.0199)

|  |   |   |  |   |
|--|---|---|--|---|
| <b>195,383</b><br>Jobs (2020)<br>4% below National average | <b>6.1%</b><br>% Change (2020-2025)<br>Nation: 2.0% | <b>\$46,364</b><br>Median Annual Earnings<br>Nation: \$50,343 | <b>6,701</b><br>Avg. Monthly Postings (2021)<br>11,030 Avg. Monthly Hires (2021) | <b>2</b><br>Program Completions<br>23,320 Annual Openings |
|--|---|---|--|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 2                | (60.0%)              |
| <b>All Programs</b>           | <b>2</b>         | <b>(60.0%)</b>       |

| Institution              | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Sierra Nevada University | 2                  | 100.0%              | 100.0%              | \$35,508                    |

### Job Postings Summary

|  |  |
|--|--|
| <b>80,410</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>446,054 Total Postings | <b>6 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Retail Salespersons   | 41,491    | 6,053           | \$12.64         | 2.60%                | 1.19                     |
| Customer Service Representatives  | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |

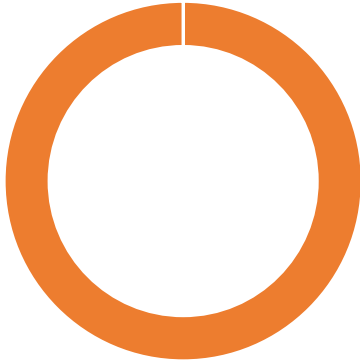
## Liberal Arts and Sciences, General Studies and Humanities, Other (24.0199)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Office and Administrative Support Workers                          | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Postsecondary Teachers   | 8,204     | 1,014           | \$30.37         | 11.03%               | 0.51                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Computer User Support Specialists  | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Real Estate Sales Agents   | 5,993     | 607             | \$27.36         | 6.24%                | 1.54                     |
| Financial Managers   | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Sales Managers   | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Tutors and Teachers and Instructors, All Other   | 2,933     | 439             | \$23.19         | 13.88%               | 0.78                     |
| Social and Human Service Assistants  | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Executive Secretaries and Executive Administrative Assistants                                | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Marketing Managers   | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |

## Mathematics, General (27.0101)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>10,941</b><br>Jobs (2020)<br>35% below National average | <b>14.7%</b><br>% Change (2020-2025)<br>Nation: 4.5% | <b>\$59,653</b><br>Median Annual Earnings<br>Nation: \$65,224 | <b>305</b><br>Avg. Monthly Postings (2021)<br>260 Avg. Monthly Hires (2021) | <b>105</b><br>Program Completions<br>1,140 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 105              | 25.0%                |
| <b>All Programs</b>           | <b>105</b>       | <b>25.0%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno         | 60                 | 53.8%               | 57.1%               | \$8,695                     |
| University of Nevada-Las Vegas    | 37                 | (2.6%)              | 35.2%               | \$8,465                     |
| Truckee Meadows Community College | 7                  | 40.0%               | 6.7%                | \$2,862                     |
| College of Southern Nevada        | 1                  | Insf. Data          | 1.0%                | \$3,878                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>3,655</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>15,854 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Secondary School Teachers, Except Special and Career/Technical Education | 5,957     | 604             | \$27.42         | 14.43%               | 0.67                     |
| Middle School Teachers, Except Special and Career/Technical Education    | 3,847     | 401             | \$28.52         | 13.68%               | 0.73                     |
| Natural Sciences Managers  | 355       | 32              | \$52.48         | 8.58%                | 0.48                     |
| Operations Research Analysts   | 286       | 35              | \$32.20         | 24.84%               | 0.32                     |

## Mathematics, General (27.0101)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Data Scientists and Mathematical Science Occupations, All Other | 207       | 30              | \$51.05         | 28.05%               | 0.38                     |
| Statisticians   | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |
| Mathematicians  | 55        | 4               | \$35.23         | (9.27%)              | 1.96                     |
| Statistical Assistants  | 45        | 6               | \$27.36         | 9.18%                | 0.49                     |

## Applied Mathematics, General (27.0301)

|   |  |   |   |  |
|---|--|---|---|--|
| <b>3,604</b><br>Jobs (2020)<br>48% below National average | <b>12.8%</b><br>% Change (2020-2025)<br>Nation: 6.8% | <b>\$77,324</b><br>Median Annual Earnings<br>Nation: \$90,572 | <b>200</b><br>Avg. Monthly Postings (2021)<br>235 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>379 Annual Openings |
|---|--|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>2,396</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>8,753 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |
| Natural Sciences Managers   | 355       | 32              | \$52.48         | 8.58%                | 0.48                     |
| Biological Scientists, All Other  | 313       | 33              | \$32.22         | 7.74%                | 0.75                     |
| Data Scientists and Mathematical Science Occupations, All Other                                     | 207       | 30              | \$51.05         | 28.05%               | 0.38                     |
| Statisticians   | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |
| Economists  | 109       | 10              | \$40.57         | 9.83%                | 0.61                     |
| Actuaries   | 108       | 12              | \$49.76         | 23.96%               | 0.43                     |
| Mathematicians  | 55        | 4               | \$35.23         | (9.27%)              | 1.96                     |

## Statistics, General (27.0501)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>1,044</b><br>Jobs (2020)<br>51% <b>below</b> National average | <b>17.1%</b><br>% Change (2020-2025)<br>Nation: 11.0% | <b>\$100,443</b><br>Median Annual Earnings<br>Nation: \$106,078 | <b>70</b><br>Avg. Monthly Postings (2021)<br>47 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>120 Annual Openings |
|--|---|---|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|   |  |
|---|--|
| <b>838</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>3,130 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

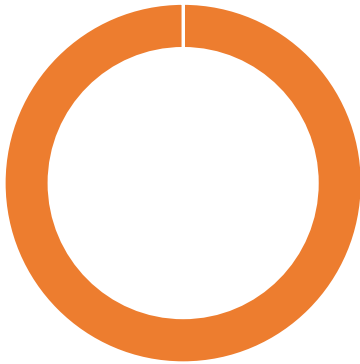
## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Natural Sciences Managers                                       | 355       | 32              | \$52.48         | 8.58%                | 0.48                     |
| Data Scientists and Mathematical Science Occupations, All Other | 207       | 30              | \$51.05         | 28.05%               | 0.38                     |
| Statisticians   | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |
| Actuaries   | 108       | 12              | \$49.76         | 23.96%               | 0.43                     |
| Survey Researchers  | 84        | 10              | \$25.22         | 8.93%                | 0.75                     |
| Mathematicians  | 55        | 4               | \$35.23         | (9.27%)              | 1.96                     |
| Statistical Assistants  | 45        | 6               | \$27.36         | 9.18%                | 0.49                     |

## Multi-/Interdisciplinary Studies, General (30.0000)

|  |   |   |  |  |
|--|---|---|--|--|
| <b>199,966</b><br>Jobs (2020)<br>5% below National average | <b>6.2%</b><br>% Change (2020-2025)<br>Nation: 2.1% | <b>\$46,569</b><br>Median Annual Earnings<br>Nation: \$50,938 | <b>7,055</b><br>Avg. Monthly Postings (2021)<br>11,342 Avg. Monthly Hires (2021) | <b>33</b><br>Program Completions<br>23,855 Annual Openings |
|--|---|---|--|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 33               | 230.0%               |
| <b>All Programs</b>           | <b>33</b>        | <b>230.0%</b>        |

| Institution              | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Sierra Nevada University | 17                 | (10.5%)             | 51.5%               | \$35,508                    |
| Nevada State College     | 16                 | 77.8%               | 48.5%               | \$6,075                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>84,660</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>464,018 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Retail Salespersons   | 41,491    | 6,053           | \$12.64         | 2.60%                | 1.19                     |
| Customer Service Representatives  | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |



## Multi-/Interdisciplinary Studies, General (30.0000)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Project Management Specialists and Business Operations Specialists, All Other                | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers                          | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Postsecondary Teachers   | 8,204     | 1,014           | \$30.37         | 11.03%               | 0.51                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Computer User Support Specialists  | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Real Estate Sales Agents   | 5,993     | 607             | \$27.36         | 6.24%                | 1.54                     |
| Financial Managers   | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Human Resources Specialists  | 4,583     | 535             | \$25.69         | 9.34%                | 0.72                     |
| Sales Managers   | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Tutors and Teachers and Instructors, All Other   | 2,933     | 439             | \$23.19         | 13.88%               | 0.78                     |
| Social and Human Service Assistants  | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Executive Secretaries and Executive Administrative Assistants                                | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Marketing Managers   | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |

## Systems Science and Theory (30.0601)

|   |  |  |   |  |
|---|--|--|---|--|
| <b>15,725</b><br>Jobs (2020)<br>53% <b>below</b> National average | <b>17.2%</b><br>% Change (2020-2025)<br>Nation: 9.6% | <b>\$93,456</b><br>Median Annual Earnings<br>Nation: \$107,730 | <b>1,426</b><br>Avg. Monthly Postings (2021)<br>652 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,734 Annual Openings |
|---|--|--|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>17,117</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>54,552 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers                               | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Network and Computer Systems Administrators                             | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Engineers, All Other  | 1,065     | 93              | \$39.09         | 10.55%               | 0.68                     |
| Architectural and Engineering Managers                                  | 949       | 96              | \$60.35         | 13.93%               | 0.53                     |

## Accounting and Computer Science (30.1601)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>11,395</b><br>Jobs (2020)<br>31% <b>below</b> National average | <b>8.8%</b><br>% Change (2020-2025)<br>Nation: 4.8% | <b>\$65,492</b><br>Median Annual Earnings<br>Nation: \$76,781 | <b>841</b><br>Avg. Monthly Postings (2021)<br>495 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,197 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>10,095</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>35,716 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

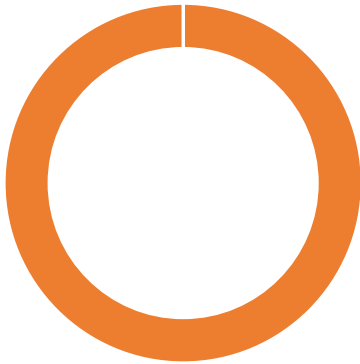
### Target Occupations

| Occupation                      | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Accountants and Auditors        | 9,134     | 971             | \$30.63         | 8.05%                | 0.72                     |
| Computer Occupations, All Other | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |

## International/Globalization Studies (30.2001)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>18,744</b><br>Jobs (2020)<br>15% above National average | <b>7.4%</b><br>% Change (2020-2025)<br>Nation: 7.6% | <b>\$72,761</b><br>Median Annual Earnings<br>Nation: \$71,570 | <b>976</b><br>Avg. Monthly Postings (2021)<br>623 Avg. Monthly Hires (2021) | <b>2</b><br>Program Completions<br>1,789 Annual Openings |
|--|---|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 2                | Insf. Data           |
| <b>All Programs</b>           | <b>2</b>         | <b>Insf. Data</b>    |

| Institution              | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Sierra Nevada University | 2                  | 0.0%                | 100.0%              | \$35,508                    |

## Job Postings Summary

|   |  |
|---|--|
| <b>11,717</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>50,051 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| News Analysts, Reporters, and Journalists   | 339       | 36              | \$19.34         | (4.50%)              | 0.78                     |
| Legislators   | 195       | 19              | \$78.82         | 8.67%                | 0.37                     |
| Economists  | 109       | 10              | \$40.57         | 9.83%                | 0.61                     |
| Political Scientists  | 31        | 4               | \$53.89         | 19.97%               | 0.41                     |

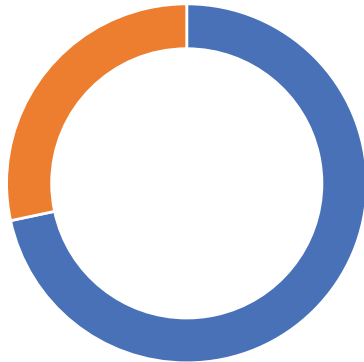
## International/Globalization Studies (30.2001)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Historians   | 23        | 3               | \$28.70         | 14.30%               | 0.60                     |
| Sociologists | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## Multi-/Interdisciplinary Studies, Other (30.9999)

|  |   |   |  |  |
|--|---|---|--|--|
| <b>177,826</b><br>Jobs (2020)<br>2% above National average | <b>5.4%</b><br>% Change (2020-2025)<br>Nation: 1.3% | <b>\$43,344</b><br>Median Annual Earnings<br>Nation: \$45,026 | <b>8,177</b><br>Avg. Monthly Postings (2021)<br>10,492 Avg. Monthly Hires (2021) | <b>60</b><br>Program Completions<br>21,578 Annual Openings |
|--|---|---|--|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 43               | Insf. Data           |
| Non-Distance Offered Programs | 17               | (71.2%)              |
| <b>All Programs</b>           | <b>60</b>        | <b>1.7%</b>          |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 43                 | (10.4%)             | 71.7%               | \$8,465                     |
| Sierra Nevada University       | 17                 | 240.0%              | 28.3%               | \$35,508                    |

### Job Postings Summary

|  |  |
|--|--|
| <b>98,126</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>520,501 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Retail Salespersons   | 41,491    | 6,053           | \$12.64         | 2.60%                | 1.19                     |
| Customer Service Representatives  | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| First-Line Supervisors of Retail Sales Workers  | 13,082    | 1,463           | \$19.78         | 2.63%                | 1.11                     |

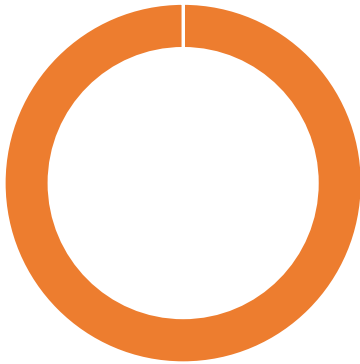
## Multi-/Interdisciplinary Studies, Other (30.9999)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Office and Administrative Support Workers                          | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Management Analysts  | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Computer User Support Specialists  | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Sales Managers   | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Social and Human Service Assistants  | 2,237     | 352             | \$17.94         | 16.74%               | 0.59                     |
| Chief Executives   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers   | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Unclassified Occupation  | 0         | 0               | \$0.00          | 0.00%                | 0.00                     |

## Geology/Earth Science, Genera (40.0601)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>8,554</b><br>Jobs (2020)<br>14% below National average | <b>9.2%</b><br>% Change (2020-2025)<br>Nation: 4.4% | <b>\$75,208</b><br>Median Annual Earnings<br>Nation: \$85,074 | <b>759</b><br>Avg. Monthly Postings (2021)<br>334 Avg. Monthly Hires (2021) | <b>59</b><br>Program Completions<br>897 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                                 | 2020 Completions | % Change (2012-2020) |
|---------------------------------|------------------|----------------------|
| ■ Distance Offered Programs     | 0                | 0.0%                 |
| ■ Non-Distance Offered Programs | 59               | 73.5%                |
| <b>All Programs</b>             | <b>59</b>        | <b>73.5%</b>         |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 41                 | 24.2%               | 69.5%               | \$8,465                     |
| University of Nevada-Reno      | 18                 | 28.6%               | 30.5%               | \$8,695                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>9,112</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>35,351 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other                                    | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Installation, Maintenance, and Repair Workers, All Other           | 2,166     | 246             | \$22.90         | 4.40%                | 1.27                     |
| Industrial Production Managers                                     | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Mining and Geological Engineers, Including Mining Safety Engineers | 688       | 52              | \$44.84         | 2.74%                | 11.49                    |
| Geoscientists, Except Hydrologists and Geographers                 | 530       | 62              | \$38.02         | 8.45%                | 1.90                     |



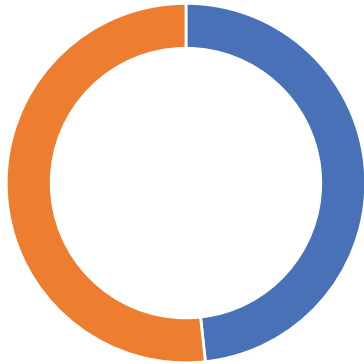
## Geology/Earth Science, Genera (40.0601)

| Occupation                            | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Surveyors                             | 472       | 50              | \$39.68         | 8.75%                | 1.15                     |
| Environmental Engineers               | 465       | 41              | \$44.10         | 6.66%                | 1.01                     |
| Natural Sciences Managers             | 355       | 32              | \$52.48         | 8.58%                | 0.48                     |
| Hydrologists                          | 141       | 16              | \$43.72         | 5.33%                | 2.16                     |
| Conservation Scientists               | 141       | 16              | \$34.72         | 9.45%                | 0.63                     |
| Atmospheric and Space Scientists      | 131       | 13              | \$47.95         | 5.45%                | 1.02                     |
| Geological and Hydrologic Technicians | 125       | 20              | \$24.22         | 15.61%               | 0.82                     |
| Petroleum Engineers                   | 108       | 14              | \$66.61         | 27.94%               | 0.39                     |
| Soil and Plant Scientists             | 64        | 9               | \$40.83         | 14.10%               | 0.41                     |

## Criminal Justice/Law Enforcement Administration (43.0103)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>35,709</b><br>Jobs (2020)<br>9% above National average | <b>6.5%</b><br>% Change (2020-2025)<br>Nation: 4.3% | <b>\$73,006</b><br>Median Annual Earnings<br>Nation: \$74,769 | <b>856</b><br>Avg. Monthly Postings (2021)<br>1,071 Avg. Monthly Hires (2021) | <b>29</b><br>Program Completions<br>3,154 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 14               | (72.5%)              |
| Non-Distance Offered Programs | 15               | (85.4%)              |
| <b>All Programs</b>           | <b>29</b>        | <b>(81.2%)</b>       |

| Institution                  | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Western Nevada College       | 12                 | 33.3%               | 41.4%               | \$3,548                     |
| University of Phoenix-Nevada | 8                  | (52.9%)             | 27.6%               | \$9,552                     |
| Nevada State College         | 7                  | (41.7%)             | 24.1%               | \$6,075                     |
| Great Basin College          | 2                  | (60.0%)             | 6.9%                | \$3,593                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>10,270</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>42,964 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Police and Sheriffs Patrol Officers   | 5,722     | 502             | \$35.55         | 4.84%                | 0.91                     |

## Criminal Justice/Law Enforcement Administration (43.0103)

| Occupation                                      | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Police and Detectives | 1,047     | 78              | \$52.21         | 4.94%                | 0.89                     |
| Detectives and Criminal Investigators           | 690       | 61              | \$39.10         | 6.56%                | 0.67                     |
| Labor Relations Specialists                     | 686       | 67              | \$29.93         | 0.76%                | 1.09                     |
| Public Safety Telecommunicators                 | 534       | 59              | \$26.15         | 7.50%                | 0.63                     |
| Emergency Management Directors                  | 79        | 8               | \$39.94         | 6.47%                | 0.61                     |

## Criminal Justice/Safety Studies (43.0104)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>48,470</b><br>Jobs (2020)<br>2% below National average | <b>6.8%</b><br>% Change (2020-2025)<br>Nation: 4.2% | <b>\$69,751</b><br>Median Annual Earnings<br>Nation: \$70,539 | <b>1,181</b><br>Avg. Monthly Postings (2021)<br>1,571 Avg. Monthly Hires (2021) | <b>473</b><br>Program Completions<br>4,470 Annual Openings |
|---|---|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 176              | 44.3%                |
| Non-Distance Offered Programs | 297              | 16.5%                |
| <b>All Programs</b>           | <b>473</b>       | <b>25.5%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas    | 277                | (3.8%)              | 58.6%               | \$8,465                     |
| College of Southern Nevada        | 138                | (8.6%)              | 29.2%               | \$3,878                     |
| Truckee Meadows Community College | 38                 | 2.7%                | 8.0%                | \$2,862                     |
| Northwest Career College          | 20                 | 300.0%              | 4.2%                | N/A                         |

## Job Postings Summary

|   |  |
|---|--|
| <b>14,177</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>65,154 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Police and Sheriffs Patrol Officers   | 5,722     | 502             | \$35.55         | 4.84%                | 0.91                     |

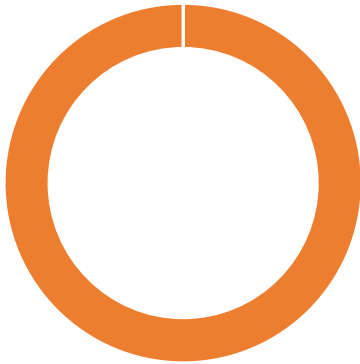
## Criminal Justice/Safety Studies (43.0104)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Child, Family, and School Social Workers  | 3,255     | 382             | \$24.82         | 10.76%               | 1.09                     |
| Correctional Officers and Jailers   | 2,891     | 270             | \$28.87         | (0.55%)              | 0.80                     |
| Compliance Officers   | 2,469     | 239             | \$33.86         | 8.43%                | 0.81                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |
| First-Line Supervisors of Police and Detectives   | 1,047     | 78              | \$52.21         | 4.94%                | 0.89                     |
| Probation Officers and Correctional Treatment Specialists   | 935       | 87              | \$30.26         | 4.08%                | 1.17                     |
| Detectives and Criminal Investigators   | 690       | 61              | \$39.10         | 6.56%                | 0.67                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Public Safety Telecommunicators   | 534       | 59              | \$26.15         | 7.50%                | 0.63                     |
| First-Line Supervisors of Correctional Officers   | 477       | 41              | \$37.44         | 1.58%                | 1.00                     |
| Private Detectives and Investigators  | 237       | 29              | \$26.23         | 10.33%               | 0.65                     |
| Bailiffs  | 187       | 18              | \$29.91         | 1.76%                | 1.10                     |
| Fire Inspectors and Investigators   | 116       | 12              | \$44.58         | (0.13%)              | 0.86                     |
| Emergency Management Directors  | 79        | 8               | \$39.94         | 6.47%                | 0.61                     |
| Transit and Railroad Police   | 11        | 1               | \$36.14         | 7.07%                | 0.23                     |

## Security and Loss Prevention Services (43.0109)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>50,105</b><br>Jobs (2020)<br>47% above National average | <b>5.1%</b><br>% Change (2020-2025)<br>Nation: 5.7% | <b>\$46,120</b><br>Median Annual Earnings<br>Nation: \$55,918 | <b>1,306</b><br>Avg. Monthly Postings (2021)<br>2,738 Avg. Monthly Hires (2021) | <b>2</b><br>Program Completions<br>5,670 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 2                | Insf. Data           |
| <b>All Programs</b>           | <b>2</b>         | <b>Insf. Data</b>    |

| Institution                  | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Carrington College-Las Vegas | 2                  | (77.8%)             | 100.0%              | N/A                         |

### Job Postings Summary

|   |  |
|---|--|
| <b>15,672</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>78,764 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Security Guards   | 20,031    | 2,734           | \$14.93         | 2.33%                | 2.06                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Transportation Security Screeners   | 1,310     | 131             | \$19.59         | 5.83%                | 2.72                     |
| School Bus Monitors and Protective Service Workers, All Other   | 1,224     | 350             | \$19.45         | 11.97%               | 0.96                     |

## Security and Loss Prevention Services (43.0109)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Gambling Surveillance Officers and Gambling Investigators | 578       | 73              | \$19.27         | (7.05%)              | 6.71                     |
| Transit and Railroad Police                               | 11        | 1               | \$36.14         | 7.07%                | 0.23                     |

## Securities Services Administration/Management (43.0112)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>31,644</b><br>Jobs (2020)<br>26% above National average | <b>6.1%</b><br>% Change (2020-2025)<br>Nation: 5.1% | <b>\$65,560</b><br>Median Annual Earnings<br>Nation: \$73,150 | <b>864</b><br>Avg. Monthly Postings (2021)<br>1,132 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>3,087 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>10,371</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>45,107 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

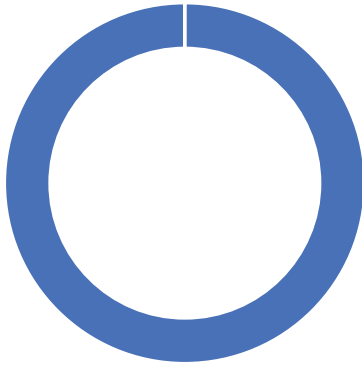
| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Miscellaneous First-Line Supervisors, Protective Service Workers  | 1,581     | 153             | \$24.72         | (8.03%)              | 2.19                     |
| Transportation Security Screeners   | 1,310     | 131             | \$19.59         | 5.83%                | 2.72                     |
| School Bus Monitors and Protective Service Workers, All Other   | 1,224     | 350             | \$19.45         | 11.97%               | 0.96                     |
| Gambling Surveillance Officers and Gambling Investigators   | 578       | 73              | \$19.27         | (7.05%)              | 6.71                     |



## Crisis/Emergency/Disaster Management (43.0302)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>28,845</b><br>Jobs (2020)<br>18% above National average | <b>6.8%</b><br>% Change (2020-2025)<br>Nation: 5.0% | <b>\$73,665</b><br>Median Annual Earnings<br>Nation: \$79,548 | <b>809</b><br>Avg. Monthly Postings (2021)<br>901 Avg. Monthly Hires (2021) | <b>5</b><br>Program Completions<br>2,521 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 5                | Insf. Data           |
| Non-Distance Offered Programs | 0                | (100.0%)             |
| <b>All Programs</b>           | <b>5</b>         | <b>150.0%</b>        |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 5                  | 66.7%               | 100.0%              | \$2,862                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>9,703</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>39,840 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

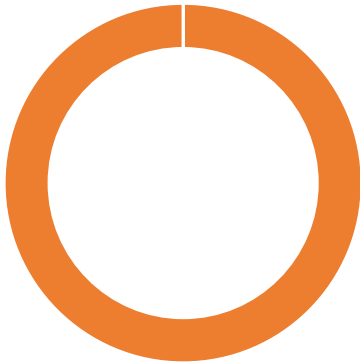
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Police and Detectives   | 1,047     | 78              | \$52.21         | 4.94%                | 0.89                     |
| First-Line Supervisors of Firefighting and Prevention Workers   | 768       | 55              | \$41.22         | 2.85%                | 1.26                     |
| Emergency Management Directors  | 79        | 8               | \$39.94         | 6.47%                | 0.61                     |

## Cyber/Computer Forensics and Counterterrorism (43.0403)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>31,243</b><br>Jobs (2020)<br>7% above National average | <b>7.7%</b><br>% Change (2020-2025)<br>Nation: 5.8% | <b>\$72,377</b><br>Median Annual Earnings<br>Nation: \$81,500 | <b>1,482</b><br>Avg. Monthly Postings (2021)<br>1,019 Avg. Monthly Hires (2021) | <b>50</b><br>Program Completions<br>2,839 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 50               | 4900.0%              |
| <b>All Programs</b>           | <b>50</b>        | <b>4900.0%</b>       |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 50                 | 42.9%               | 100.0%              | \$3,878                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>17,785</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>75,579 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Detectives and Criminal Investigators   | 690       | 61              | \$39.10         | 6.56%                | 0.67                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Forensic Science Technicians  | 424       | 60              | \$30.82         | 8.10%                | 2.52                     |

## Cyber/Computer Forensics and Counterterrorism (43.0403)

| Occupation                           | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--------------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Private Detectives and Investigators | 237       | 29              | \$26.23         | 10.33%               | 0.65                     |
| Emergency Management Directors       | 79        | 8               | \$39.94         | 6.47%                | 0.61                     |

## Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other (43.9999)

|                                   |                             |                               |                                     |                            |
|-----------------------------------|-----------------------------|-------------------------------|-------------------------------------|----------------------------|
| <b>35,498</b>                     | <b>6.5%</b>                 | <b>\$70,944</b>               | <b>990</b>                          | <b>0</b>                   |
| <b>Jobs (2020)</b>                | <b>% Change (2020-2025)</b> | <b>Median Annual Earnings</b> | <b>Avg. Monthly Postings (2021)</b> | <b>Program Completions</b> |
| 14% <i>above</i> National average | Nation: 5.2%                | Nation: \$78,019              | 1,142 Avg. Monthly Hires (2021)     | 3,181 Annual Openings      |

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>11,879</b>                                | <b>4 : 1</b>                                   |
| <b>Unique Postings (Jan 2021 - Dec 2021)</b> | <b>Posting Intensity (Jan 2021 - Dec 2021)</b> |
| 50,404 Total Postings                        | Regional Average: 5 : 1                        |

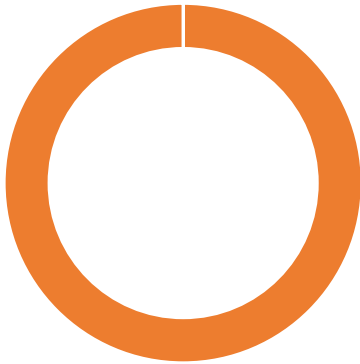
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Compliance Officers   | 2,469     | 239             | \$33.86         | 8.43%                | 0.81                     |
| Miscellaneous First-Line Supervisors, Protective Service Workers  | 1,581     | 153             | \$24.72         | (8.03%)              | 2.19                     |
| Transportation Security Screeners   | 1,310     | 131             | \$19.59         | 5.83%                | 2.72                     |
| First-Line Supervisors of Police and Detectives   | 1,047     | 78              | \$52.21         | 4.94%                | 0.89                     |
| First-Line Supervisors of Firefighting and Prevention Workers   | 768       | 55              | \$41.22         | 2.85%                | 1.26                     |
| Detectives and Criminal Investigators   | 690       | 61              | \$39.10         | 6.56%                | 0.67                     |
| Information Security Analysts   | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |
| Emergency Management Directors  | 79        | 8               | \$39.94         | 6.47%                | 0.61                     |

## Economics, General (45.0601)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>18,829</b><br>Jobs (2020)<br>14% above National average | <b>7.7%</b><br>% Change (2020-2025)<br>Nation: 7.8% | <b>\$72,327</b><br>Median Annual Earnings<br>Nation: \$71,848 | <b>962</b><br>Avg. Monthly Postings (2021)<br>638 Avg. Monthly Hires (2021) | <b>147</b><br>Program Completions<br>1,812 Annual Openings |
|--|---|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 147              | 157.9%               |
| <b>All Programs</b>           | <b>147</b>       | <b>157.9%</b>        |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno      | 81                 | 9.5%                | 55.1%               | \$8,695                     |
| University of Nevada-Las Vegas | 66                 | 6.5%                | 44.9%               | \$8,465                     |

## Job Postings Summary

|   |  |
|---|--|
| <b>11,548</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>49,369 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Environmental Scientists and Specialists, Including Health  | 470       | 56              | \$33.80         | 9.42%                | 0.60                     |
| Social Science Research Assistants  | 128       | 20              | \$24.86         | 14.41%               | 0.33                     |

## Economics, General (45.0601)

| Occupation         | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Economists         | 109       | 10              | \$40.57         | 9.83%                | 0.61                     |
| Survey Researchers | 84        | 10              | \$25.22         | 8.93%                | 0.75                     |

## Applied Economics (45.0602)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>18,231</b><br>Jobs (2020)<br>19% above National average | <b>7.6%</b><br>% Change (2020-2025)<br>Nation: 8.1% | <b>\$72,695</b><br>Median Annual Earnings<br>Nation: \$72,847 | <b>949</b><br>Avg. Monthly Postings (2021)<br>613 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,735 Annual Openings |
|--|---|---|---|--|

## 2020 Program Completions

*This program is not available in the State of Nevada.*

## Job Postings Summary

|   |  |
|---|--|
| <b>11,393</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>48,928 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

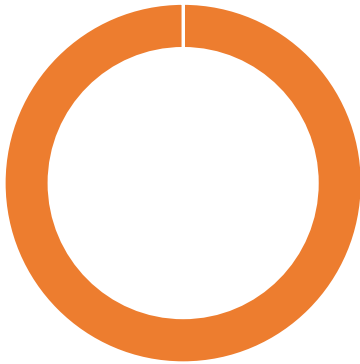
## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Economists  | 109       | 10              | \$40.57         | 9.83%                | 0.61                     |
| Survey Researchers  | 84        | 10              | \$25.22         | 8.93%                | 0.75                     |

## Geography (45.0701)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>19,390</b><br>Jobs (2020)<br>25% above National average | <b>6.4%</b><br>% Change (2020-2025)<br>Nation: 5.2% | <b>\$75,607</b><br>Median Annual Earnings<br>Nation: \$78,040 | <b>1,327</b><br>Avg. Monthly Postings (2021)<br>558 Avg. Monthly Hires (2021) | <b>27</b><br>Program Completions<br>1,768 Annual Openings |
|--|---|---|---|---|

## 2020 Program Completions



|                                 | 2020 Completions | % Change (2012-2020) |
|---------------------------------|------------------|----------------------|
| ■ Distance Offered Programs     | 0                | 0.0%                 |
| ■ Non-Distance Offered Programs | 27               | 68.8%                |
| <b>All Programs</b>             | <b>27</b>        | <b>68.8%</b>         |

| Institution               | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno | 27                 | 22.7%               | 100.0%              | \$8,695                     |

## Job Postings Summary

|   |  |
|---|--|
| <b>15,918</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>59,500 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Civil Engineering Technologists and Technicians   | 814       | 84              | \$25.72         | 4.54%                | 1.26                     |
| Environmental Scientists and Specialists, Including Health  | 470       | 56              | \$33.80         | 9.42%                | 0.60                     |
| Surveying and Mapping Technicians   | 436       | 59              | \$26.43         | 5.53%                | 0.84                     |
| Cartographers and Photogrammetrists   | 298       | 28              | \$38.40         | 3.36%                | 2.37                     |



## Geography (45.0701)

| Occupation                            | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Urban and Regional Planners           | 190       | 20              | \$40.20         | 7.52%                | 0.56                     |
| Atmospheric and Space Scientists      | 131       | 13              | \$47.95         | 5.45%                | 1.02                     |
| Archivists                            | 130       | 16              | \$24.65         | 5.55%                | 1.72                     |
| Social Science Research Assistants    | 128       | 20              | \$24.86         | 14.41%               | 0.33                     |
| Geological and Hydrologic Technicians | 125       | 20              | \$24.22         | 15.61%               | 0.82                     |
| Curators                              | 82        | 13              | \$29.01         | 19.74%               | 0.68                     |
| Geographers                           | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## Geographic Information Science and Cartography (45.0702)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>18,290</b><br>Jobs (2020)<br>30% above National average | <b>6.4%</b><br>% Change (2020-2025)<br>Nation: 5.3% | <b>\$76,786</b><br>Median Annual Earnings<br>Nation: \$81,258 | <b>1,346</b><br>Avg. Monthly Postings (2021)<br>538 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,647 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>16,149</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>61,259 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

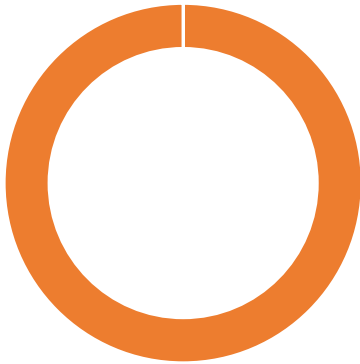
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Life, Physical, and Social Science Technicians, All Other   | 569       | 81              | \$22.00         | 7.91%                | 0.89                     |
| Surveying and Mapping Technicians   | 436       | 59              | \$26.43         | 5.53%                | 0.84                     |
| Cartographers and Photogrammetrists   | 298       | 28              | \$38.40         | 3.36%                | 2.37                     |
| Physical Scientists, All Other  | 212       | 21              | \$35.99         | 9.38%                | 0.87                     |
| Urban and Regional Planners   | 190       | 20              | \$40.20         | 7.52%                | 0.56                     |
| Geographers   | <10       | Insf. Data      | Insf. Data      | Insf. Data           | Insf. Data               |

## Building Construction Technology/Technician (46.0415)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>95,282</b><br>Jobs (2020)<br>20% above National average | <b>7.3%</b><br>% Change (2020-2025)<br>Nation: 3.5% | <b>\$50,278</b><br>Median Annual Earnings<br>Nation: \$50,084 | <b>1,315</b><br>Avg. Monthly Postings (Dec 2020 - Nov 2021)<br>6,347 Avg. Monthly Hires (Dec 2020 - Nov 2021) | <b>10</b><br>Program Completions<br>10,228 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 10               | Insf. Data           |
| <b>All Programs</b>           | <b>10</b>        | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 10                 | (33.3%)             | 100.0%              | \$2,862                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>15,783</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>69,195 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Carpenters  | 15,039    | 1,527           | \$24.48         | 3.80%                | 1.58                     |
| Maintenance and Repair Workers, General                                       | 14,904    | 1,562           | \$21.86         | 4.19%                | 1.12                     |
| Construction Laborers   | 13,427    | 1,641           | \$17.24         | 10.24%               | 1.09                     |
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Construction Trades and Extraction Workers          | 6,984     | 818             | \$32.05         | 9.39%                | 1.13                     |
| Operating Engineers and Other Construction Equipment Operators                | 5,062     | 604             | \$24.59         | 6.02%                | 1.36                     |

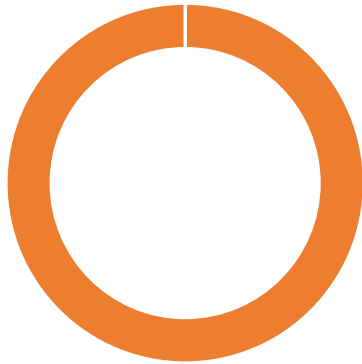
## Building Construction Technology/Technician (46.0415)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Construction Managers                                 | 5,005     | 485             | \$39.03         | 11.07%               | 1.20                     |
| Painters, Construction and Maintenance                | 4,390     | 491             | \$19.11         | 10.63%               | 1.22                     |
| Drywall and Ceiling Tile Installers                   | 3,074     | 303             | \$20.64         | 7.23%                | 2.72                     |
| Cement Masons and Concrete Finishers                  | 2,630     | 290             | \$24.52         | 8.21%                | 1.44                     |
| Roofers   | 2,147     | 253             | \$20.29         | 8.89%                | 1.44                     |
| Cost Estimators                                       | 2,038     | 217             | \$30.35         | 7.16%                | 1.11                     |
| Sheet Metal Workers                                   | 1,559     | 180             | \$23.42         | 9.51%                | 1.26                     |
| Carpet Installers                                     | 1,385     | 116             | \$26.88         | (2.88%)              | 4.45                     |
| Construction and Building Inspectors                  | 1,067     | 134             | \$36.48         | 4.03%                | 0.96                     |
| Tile and Stone Setters                                | 1,025     | 108             | \$22.38         | 8.73%                | 1.92                     |
| Civil Engineering Technologists and Technicians       | 814       | 84              | \$25.72         | 4.54%                | 1.26                     |
| Glaziers  | 787       | 95              | \$19.37         | 6.16%                | 1.55                     |
| Insulation Workers, Floor, Ceiling, and Wall          | 451       | 53              | \$17.69         | 10.26%               | 1.48                     |
| Floor Layers, Except Carpet, Wood, and Hard Tiles     | 255       | 30              | \$25.36         | 13.07%               | 1.10                     |
| Career/Technical Education Teachers, Secondary School | 229       | 28              | \$29.48         | 23.77%               | 0.35                     |
| Insulation Workers, Mechanical                        | 133       | 20              | \$24.45         | 23.81%               | 0.50                     |
| Paperhangers  | 132       | 11              | \$15.42         | (1.53%)              | 2.99                     |
| Terrazzo Workers and Finishers                        | 58        | 5               | \$25.59         | (0.90%)              | 1.96                     |
| Floor Sanders and Finishers                           | 52        | 6               | \$20.95         | 8.70%                | 0.75                     |

# Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician (47.0201)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>46,405</b><br>Jobs (2020)<br>4% above National average | <b>7.1%</b><br>% Change (2020-2025)<br>Nation: 4.1% | <b>\$55,105</b><br>Median Annual Earnings<br>Nation: \$55,362 | <b>984</b><br>Avg. Monthly Postings (2021)<br>2,358 Avg. Monthly Hires (2021) | <b>190</b><br>Program Completions<br>4,984 Annual Openings |
|---|---|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 190              | (39.3%)              |
| <b>All Programs</b>           | <b>190</b>       | <b>(39.3%)</b>       |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Advanced Training Institute       | 113                | (11.0%)             | 59.5%               | N/A                         |
| Career College of Northern Nevada | 41                 | (21.2%)             | 21.6%               | N/A                         |
| College of Southern Nevada        | 24                 | 26.3%               | 12.6%               | \$3,878                     |
| Truckee Meadows Community College | 12                 | (25.0%)             | 6.3%                | \$2,862                     |

## Job Postings Summary

|  |   |
|--|---|
| <b>11,810</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>57,554 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Maintenance and Repair Workers, General                                       | 14,904    | 1,562           | \$21.86         | 4.19%                | 1.12                     |
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Plumbers, Pipefitters, and Steamfitters                                       | 5,024     | 652             | \$26.30         | 11.15%               | 1.16                     |

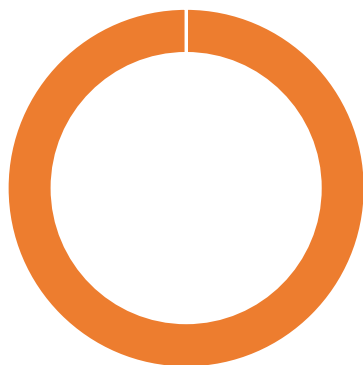
## Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician (47.0201)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Mechanics, Installers, and Repairers            | 4,327     | 449             | \$34.50         | 6.58%                | 0.97                     |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers     | 3,361     | 412             | \$26.33         | 11.44%               | 0.96                     |
| Sheet Metal Workers   | 1,559     | 180             | \$23.42         | 9.51%                | 1.26                     |
| Helpers--Installation, Maintenance, and Repair Workers                    | 1,071     | 156             | \$17.81         | 7.40%                | 1.29                     |
| Construction and Building Inspectors                                      | 1,067     | 134             | \$36.48         | 4.03%                | 0.96                     |
| Pipelayers  | 990       | 104             | \$24.14         | 1.11%                | 2.89                     |
| Miscellaneous Construction and Related Workers                            | 706       | 90              | \$18.90         | 3.40%                | 2.05                     |
| Electrical and Electronics Repairers, Commercial and Industrial Equipment | 520       | 53              | \$32.02         | 10.65%               | 0.87                     |
| Home Appliance Repairers  | 240       | 24              | \$17.94         | (2.64%)              | 0.74                     |

## Digital Arts (50.0102)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>8,908</b><br>Jobs (2020)<br>19% below National average | <b>5.6%</b><br>% Change (2020-2025)<br>Nation: 5.3% | <b>\$49,034</b><br>Median Annual Earnings<br>Nation: \$66,955 | <b>797</b><br>Avg. Monthly Postings (2021)<br>300 Avg. Monthly Hires (2021) | <b>17</b><br>Program Completions<br>917 Annual Openings |
|---|---|---|---|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 17               | Insf. Data           |
| <b>All Programs</b>           | <b>17</b>        | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 17                 | 240.0%              | 100.0%              | \$2,862                     |

## Job Postings Summary

|   |   |
|---|---|
| <b>9,561</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>35,897 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other                               | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Graphic Designers   | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Photographers   | 1,592     | 149             | \$12.84         | (6.49%)              | 1.36                     |
| Web Developers and Digital Interface Designers                | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Artists and Related Workers, All Other                        | 697       | 77              | \$14.62         | 3.75%                | 4.48                     |
| Art Directors   | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Fine Artists, Including Painters, Sculptors, and Illustrators | 535       | 70              | \$9.75          | 11.97%               | 1.11                     |

## Digital Arts (50.0102)

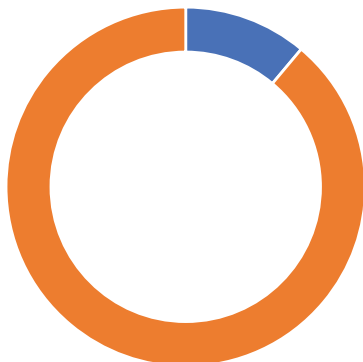
| Occupation                            | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Special Effects Artists and Animators | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |
| Commercial and Industrial Designers   | 110       | 14              | \$30.41         | 15.80%               | 0.38                     |
| Desktop Publishers                    | 27        | 3               | \$23.07         | (4.81%)              | 0.39                     |



## Design and Visual Communications, General (50.0401)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>9,688</b><br>Jobs (2020)<br>8% below National average | <b>0.6%</b><br>% Change (2020-2025)<br>Nation: 4.7% | <b>\$47,597</b><br>Median Annual Earnings<br>Nation: \$55,913 | <b>326</b><br>Avg. Monthly Postings (2021)<br>363 Avg. Monthly Hires (2021) | <b>9</b><br>Program Completions<br>991 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 1                | Insf. Data           |
| Non-Distance Offered Programs | 8                | (78.9%)              |
| <b>All Programs</b>           | <b>9</b>         | <b>(76.3%)</b>       |

| Institution              | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Sierra Nevada University | 8                  | Insf. Data          | 88.9%               | \$35,508                    |
| Great Basin College      | 1                  | (66.7%)             | 11.1%               | \$3,593                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>3,913</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>18,025 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Graphic Designers                              | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Audio and Video Technicians                    | 1,635     | 160             | \$25.00         | (8.01%)              | 2.35                     |
| Photographers                                  | 1,592     | 149             | \$12.84         | (6.49%)              | 1.36                     |
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Art Directors                                  | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Librarians and Media Collections Specialists   | 557       | 67              | \$34.78         | 11.05%               | 0.44                     |

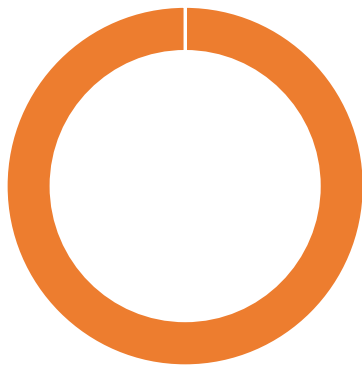
## Design and Visual Communications, General (50.0401)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Fine Artists, Including Painters, Sculptors, and Illustrators | 535       | 70              | \$9.75          | 11.97%               | 1.11                     |
| Fashion Designers   | 463       | 41              | \$21.39         | (8.53%)              | 1.90                     |
| Set and Exhibit Designers                                     | 445       | 39              | \$29.02         | (8.91%)              | 1.55                     |
| Designers, All Other  | 335       | 31              | \$19.55         | (3.44%)              | 0.89                     |
| Special Effects Artists and Animators                         | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |
| Film and Video Editors  | 278       | 33              | \$30.58         | 3.10%                | 0.83                     |
| Commercial and Industrial Designers                           | 110       | 14              | \$30.41         | 15.80%               | 0.38                     |
| Desktop Publishers  | 27        | 3               | \$23.07         | (4.81%)              | 0.39                     |
| Photographic Process Workers and Processing Machine Operators | 25        | 6               | \$17.25         | 27.11%               | 0.27                     |

## Graphic Design (50.0409)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>4,409</b><br>Jobs (2020)<br>18% below National average | <b>5.8%</b><br>% Change (2020-2025)<br>Nation: 4.8% | <b>\$47,270</b><br>Median Annual Earnings<br>Nation: \$59,499 | <b>174</b><br>Avg. Monthly Postings (2021)<br>160 Avg. Monthly Hires (2021) | <b>59</b><br>Program Completions<br>459 Annual Openings |
|---|---|---|---|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 59               | (10.6%)              |
| <b>All Programs</b>           | <b>59</b>        | <b>(10.6%)</b>       |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 39                 | (11.4%)             | 66.1%               | \$8,465                     |
| College of Southern Nevada     | 20                 | 0.0%                | 33.9%               | \$3,878                     |

## Job Postings Summary

|  |   |
|--|---|
| <b>2,087</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>9,326 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

## Target Occupations

| Occupation                                     | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Graphic Designers                              | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Web Developers and Digital Interface Designers | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Artists and Related Workers, All Other         | 697       | 77              | \$14.62         | 3.75%                | 4.48                     |
| Art Directors                                  | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Special Effects Artists and Animators          | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |
| Desktop Publishers                             | 27        | 3               | \$23.07         | (4.81%)              | 0.39                     |

## Game and Interactive Media Design (50.0411)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>10,636</b><br>Jobs (2020)<br>49% <b>below</b> National average | <b>17.0%</b><br>% Change (2020-2025)<br>Nation: 12.3% | <b>\$76,777</b><br>Median Annual Earnings<br>Nation: \$98,933 | <b>1,122</b><br>Avg. Monthly Postings (2021)<br>470 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,246 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>13,464</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>42,469 Total Postings | <b>3 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Software Developers and Software Quality Assurance Analysts and Testers | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Graphic Designers   | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Art Directors   | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Special Effects Artists and Animators                                   | 296       | 32              | \$18.25         | 2.69%                | 0.71                     |

## Design and Applied Arts, Other (50.0499)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>14,896</b><br>Jobs (2020)<br>25% below National average | <b>7.7%</b><br>% Change (2020-2025)<br>Nation: 7.0% | <b>\$61,382</b><br>Median Annual Earnings<br>Nation: \$75,454 | <b>1,015</b><br>Avg. Monthly Postings (2021)<br>635 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>1,630 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>12,182</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>49,959 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

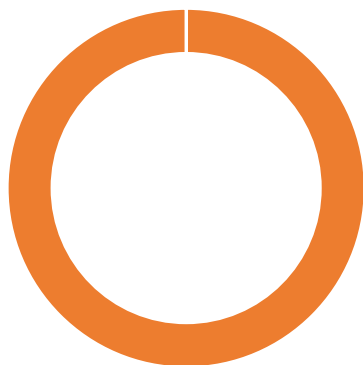
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists            | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Graphic Designers   | 1,681     | 166             | \$23.63         | 3.40%                | 0.73                     |
| Photographers   | 1,592     | 149             | \$12.84         | (6.49%)              | 1.36                     |
| Web Developers and Digital Interface Designers                | 1,080     | 105             | \$28.99         | 10.72%               | 0.62                     |
| Interior Designers  | 659       | 65              | \$23.41         | 3.65%                | 0.89                     |
| Art Directors   | 628       | 75              | \$20.12         | 7.76%                | 0.84                     |
| Fine Artists, Including Painters, Sculptors, and Illustrators | 535       | 70              | \$9.75          | 11.97%               | 1.11                     |

## Health Information/Medical Records Administration/Administrator (51.0706)

|  |  |   |   |   |
|--|--|---|---|---|
| <b>13,136</b><br>Jobs (2020)<br>36% below National average | <b>15.1%</b><br>% Change (2020-2025)<br>Nation: 8.2% | <b>\$80,969</b><br>Median Annual Earnings<br>Nation: \$96,593 | <b>1,483</b><br>Avg. Monthly Postings (2021)<br>495 Avg. Monthly Hires (2021) | <b>16</b><br>Program Completions<br>1,408 Annual Openings |
|--|--|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 16               | Insf. Data           |
| <b>All Programs</b>           | <b>16</b>        | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Career College of Northern Nevada | 16                 | (15.8%)             | 100.0%              | N/A                         |

### Job Postings Summary

|  |   |
|--|---|
| <b>17,800</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>75,923 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

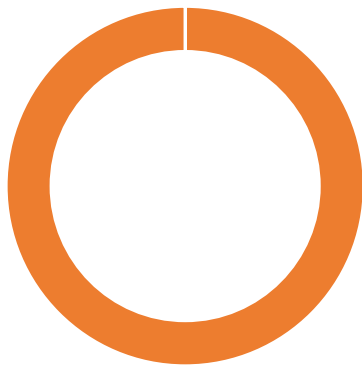
### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other | 3,602     | 338             | \$20.90         | 10.17%               | 1.22                     |
| Medical and Health Services Managers   | 2,898     | 385             | \$53.27         | 24.28%               | 0.76                     |
| Computer Occupations, All Other  | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers  | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts  | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Statisticians  | 189       | 27              | \$46.81         | 31.03%               | 0.50                     |

## Health Information/Medical Records Technology/Technician (51.0707)

|  |  |   |   |   |
|--|--|---|---|---|
| <b>17,332</b><br>Jobs (2020)<br>25% below National average | <b>10.3%</b><br>% Change (2020-2025)<br>Nation: 4.6% | <b>\$47,997</b><br>Median Annual Earnings<br>Nation: \$51,421 | <b>1,037</b><br>Avg. Monthly Postings (2021)<br>762 Avg. Monthly Hires (2021) | <b>12</b><br>Program Completions<br>1,812 Annual Openings |
|--|--|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 12               | (85.7%)              |
| <b>All Programs</b>           | <b>12</b>        | <b>(85.7%)</b>       |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 12                 | (14.3%)             | 100.0%              | \$3,878                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>12,442</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>83,387 Total Postings | <b>7 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

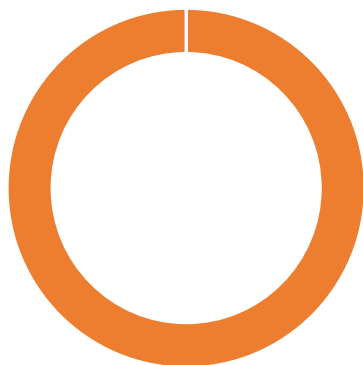
### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer User Support Specialists  | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other | 3,602     | 338             | \$20.90         | 10.17%               | 1.22                     |
| Medical Secretaries and Administrative Assistants  | 2,898     | 460             | \$18.14         | 20.80%               | 0.53                     |
| Computer Systems Analysts  | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Computer Network Support Specialists   | 1,512     | 141             | \$30.02         | 9.24%                | 0.87                     |
| Data Entry Keyers  | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |

## Health Services Administration (51.2211)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>25,636</b><br>Jobs (2020)<br>37% below National average | <b>14.3%</b><br>% Change (2020-2025)<br>Nation: 8.1% | <b>\$66,852</b><br>Median Annual Earnings<br>Nation: \$70,467 | <b>2,023</b><br>Avg. Monthly Postings (2021)<br>1,262 Avg. Monthly Hires (2021) | <b>4</b><br>Program Completions<br>3,145 Annual Openings |
|--|--|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 4                | Insf. Data           |
| <b>All Programs</b>           | <b>4</b>         | <b>Insf. Data</b>    |

| Institution             | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Nevada Career Institute | 4                  | Insf. Data          | 100.0%              | N/A                         |

## Job Postings Summary

|  |  |
|--|--|
| <b>24,280</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>110,666 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Medical and Health Services Managers  | 2,898     | 385             | \$53.27         | 24.28%               | 0.76                     |
| Medical Secretaries and Administrative Assistants   | 2,898     | 460             | \$18.14         | 20.80%               | 0.53                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Public Relations Specialists  | 1,369     | 144             | \$27.82         | 6.07%                | 0.57                     |



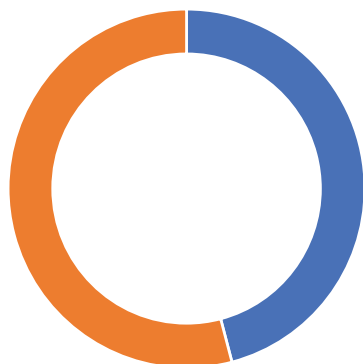
## Health Services Administration (51.2211)

| Occupation                                    | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Healthcare Social Workers                     | 1,157     | 146             | \$30.84         | 14.55%               | 0.72                     |
| Human Resources Managers                      | 1,140     | 113             | \$49.21         | 8.23%                | 0.73                     |
| Eligibility Interviewers, Government Programs | 463       | 52              | \$23.93         | 9.63%                | 0.36                     |
| Health Education Specialists                  | 359       | 51              | \$25.93         | 15.25%               | 0.66                     |
| Community Health Workers                      | 321       | 47              | \$23.52         | 17.62%               | 0.56                     |
| Legislators                                   | 195       | 19              | \$78.82         | 8.67%                | 0.37                     |

## Business/Commerce, General (52.0101)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>75,484</b><br>Jobs (2020)<br>2% below National average | <b>8.6%</b><br>% Change (2020-2025)<br>Nation: 5.3% | <b>\$82,086</b><br>Median Annual Earnings<br>Nation: \$90,038 | <b>2,872</b><br>Avg. Monthly Postings (2021)<br>3,179 Avg. Monthly Hires (2021) | <b>305</b><br>Program Completions<br>7,422 Annual Openings |
|---|---|---|---|--|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 140              | 23.9%                |
| Non-Distance Offered Programs | 165              | 38.7%                |
| <b>All Programs</b>           | <b>305</b>       | <b>31.5%</b>         |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno         | 164                | (4.7%)              | 53.8%               | \$8,695                     |
| Truckee Meadows Community College | 132                | 16.8%               | 43.3%               | \$2,862                     |
| Western Nevada College            | 8                  | 166.7%              | 2.6%                | \$3,548                     |
| DeVry University-Nevada           | 1                  | 0.0%                | 0.3%                | \$15,368                    |

## Job Postings Summary

|  |  |
|--|--|
| <b>34,467</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>147,231 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |

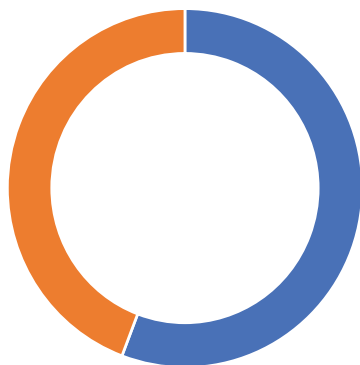
## Business/Commerce, General (52.0101)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Management Analysts                                | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Construction Managers                              | 5,005     | 485             | \$39.03         | 11.07%               | 1.20                     |
| Sales Managers                                     | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Computer Occupations, All Other                    | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Administrative Services and Facilities Managers    | 2,056     | 207             | \$42.34         | 8.13%                | 0.71                     |
| Cost Estimators                                    | 2,038     | 217             | \$30.35         | 7.16%                | 1.11                     |
| Chief Executives                                   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Transportation, Storage, and Distribution Managers | 1,117     | 121             | \$39.32         | 14.39%               | 0.88                     |
| Meeting, Convention, and Event Planners            | 1,116     | 126             | \$22.09         | 1.04%                | 0.97                     |
| Social and Community Service Managers              | 922       | 116             | \$35.84         | 17.50%               | 0.58                     |
| Industrial Production Managers                     | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |

## Business Administration and Management, General (52.0201)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>173,052</b><br>Jobs (2020)<br>8% below National average | <b>7.0%</b><br>% Change (2020-2025)<br>Nation: 3.1% | <b>\$82,086</b><br>Median Annual Earnings<br>Nation: \$90,038 | <b>6,920</b><br>Avg. Monthly Postings (2021)<br>9,048 Avg. Monthly Hires (2021) | <b>918</b><br>Program Completions<br>19,226 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 512              | (32.6%)              |
| Non-Distance Offered Programs | 406              | 32.2%                |
| <b>All Programs</b>           | <b>918</b>       | <b>(14.0%)</b>       |

| Institution                           | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada            | 336                | (17.2%)             | 36.6%               | \$3,878                     |
| University of Nevada-Las Vegas        | 206                | (2.4%)              | 22.4%               | \$8,465                     |
| University of Nevada-Reno             | 156                | 13.0%               | 17.0%               | \$8,695                     |
| Nevada State College                  | 58                 | 11.5%               | 6.3%                | \$6,075                     |
| University of Phoenix-Nevada          | 47                 | (38.2%)             | 5.1%                | \$9,552                     |
| Great Basin College                   | 47                 | 38.2%               | 5.1%                | \$3,593                     |
| Western Nevada College                | 28                 | 64.7%               | 3.1%                | \$3,548                     |
| Roseman University of Health Sciences | 28                 | (34.9%)             | 3.1%                | \$36,533                    |
| DeVry University-Nevada               | 12                 | (25.0%)             | 1.3%                | \$15,368                    |

### Job Postings Summary

|  |  |
|--|--|
| <b>83,038</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>430,524 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

## Business Administration and Management, General (52.0201)

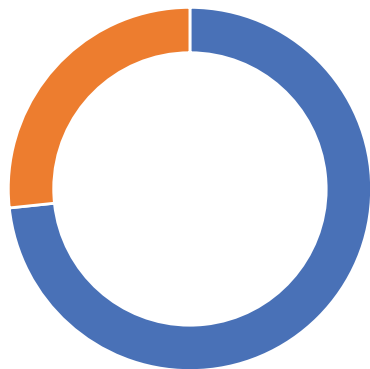
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Customer Service Representatives  | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| First-Line Supervisors of Retail Sales Workers  | 13,082    | 1,463           | \$19.78         | 2.63%                | 1.11                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Accountants and Auditors  | 9,134     | 971             | \$30.63         | 8.05%                | 0.72                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products                          | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Financial Managers  | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Human Resources Specialists   | 4,583     | 535             | \$25.69         | 9.34%                | 0.72                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Computer and Information Systems Managers   | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Human Resources Managers  | 1,140     | 113             | \$49.21         | 8.23%                | 0.73                     |

## Logistics, Materials, and Supply Chain Management (52.0203)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>21,618</b><br>Jobs (2020)<br>10% above National average | <b>8.7%</b><br>% Change (2020-2025)<br>Nation: 6.0% | <b>\$78,238</b><br>Median Annual Earnings<br>Nation: \$88,604 | <b>1,569</b><br>Avg. Monthly Postings (2021)<br>663 Avg. Monthly Hires (2021) | <b>15</b><br>Program Completions<br>2,031 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 11               | Insf. Data           |
| Non-Distance Offered Programs | 4                | (20.0%)              |
| <b>All Programs</b>           | <b>15</b>        | <b>200.0%</b>        |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 15                 | 15.4%               | 100.0%              | \$2,862                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>18,827</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>80,915 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Transportation, Storage, and Distribution Managers  | 1,117     | 121             | \$39.32         | 14.39%               | 0.88                     |
| Cargo and Freight Agents  | 1,001     | 133             | \$14.37         | 14.57%               | 1.12                     |
| Logisticians  | 917       | 136             | \$29.61         | 25.75%               | 0.48                     |
| Industrial Production Managers  | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Electronics Engineers, Except Computer  | 663       | 60              | \$49.67         | 11.69%               | 0.58                     |

## Logistics, Materials, and Supply Chain Management (52.0203)

| Occupation          | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Purchasing Managers | 438       | 42              | \$53.06         | 8.36%                | 0.65                     |

## Operations Management and Supervision (52.0205)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>74,994</b><br>Jobs (2020)<br>5% below National average | <b>9.0%</b><br>% Change (2020-2025)<br>Nation: 5.4% | <b>\$79,975</b><br>Median Annual Earnings<br>Nation: \$86,582 | <b>2,190</b><br>Avg. Monthly Postings (2021)<br>3,200 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>7,553 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>26,283</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>124,628 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Construction Managers   | 5,005     | 485             | \$39.03         | 11.07%               | 1.20                     |
| First-Line Supervisors of Mechanics, Installers, and Repairers  | 4,327     | 449             | \$34.50         | 6.58%                | 0.97                     |
| First-Line Supervisors of Production and Operating Workers  | 3,834     | 476             | \$28.74         | 11.00%               | 0.70                     |
| Computer and Information Systems Managers   | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Transportation, Storage, and Distribution Managers  | 1,117     | 121             | \$39.32         | 14.39%               | 0.88                     |
| Logisticians  | 917       | 136             | \$29.61         | 25.75%               | 0.48                     |
| Industrial Production Managers  | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Labor Relations Specialists   | 686       | 67              | \$29.93         | 0.76%                | 1.09                     |
| Life, Physical, and Social Science Technicians, All Other   | 569       | 81              | \$22.00         | 7.91%                | 0.89                     |
| Purchasing Managers   | 438       | 42              | \$53.06         | 8.36%                | 0.65                     |
| Operations Research Analysts  | 286       | 35              | \$32.20         | 24.84%               | 0.32                     |



## Non-Profit/Public/Organizational Management (52.0206)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>52,285</b><br>Jobs (2020)<br>2% above National average | <b>8.1%</b><br>% Change (2020-2025)<br>Nation: 5.3% | <b>\$83,426</b><br>Median Annual Earnings<br>Nation: \$89,434 | <b>1,404</b><br>Avg. Monthly Postings (2021)<br>2,131 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>4,993 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|   |  |
|---|--|
| <b>16,850</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>78,893 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Social and Community Service Managers   | 922       | 116             | \$35.84         | 17.50%               | 0.58                     |
| Fundraisers   | 454       | 61              | \$28.35         | 16.70%               | 0.48                     |
| Public Relations and Fundraising Managers   | 421       | 47              | \$51.52         | 9.91%                | 0.52                     |
| Operations Research Analysts  | 286       | 35              | \$32.20         | 24.84%               | 0.32                     |

## E-Commerce/Electronic Commerce (52.0208)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>75,971</b><br>Jobs (2020)<br>14% below National average | <b>8.0%</b><br>% Change (2020-2025)<br>Nation: 5.2% | <b>\$65,627</b><br>Median Annual Earnings<br>Nation: \$75,924 | <b>3,031</b><br>Avg. Monthly Postings (2021)<br>3,561 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>7,891 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>36,368</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>166,375 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

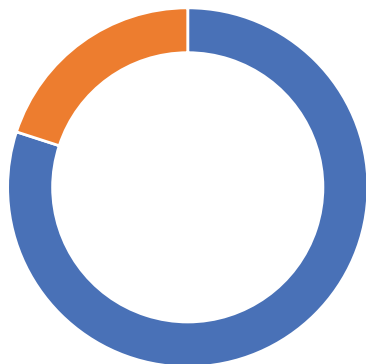
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| First-Line Supervisors of Retail Sales Workers                                | 13,082    | 1,463           | \$19.78         | 2.63%                | 1.11                     |
| Project Management Specialists and Business Operations Specialists, All Other | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers           | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Computer User Support Specialists   | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Software Developers and Software Quality Assurance Analysts and Testers       | 5,770     | 747             | \$44.71         | 24.66%               | 0.42                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |

## Project Management (52.0211)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>74,523</b><br>Jobs (2020)<br>7% below National average | <b>8.8%</b><br>% Change (2020-2025)<br>Nation: 5.9% | <b>\$83,960</b><br>Median Annual Earnings<br>Nation: \$95,240 | <b>3,131</b><br>Avg. Monthly Postings (2021)<br>3,164 Avg. Monthly Hires (2021) | <b>15</b><br>Program Completions<br>7,342 Annual Openings |
|---|---|---|---|---|

## 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 12               | Insf. Data           |
| Non-Distance Offered Programs | 3                | Insf. Data           |
| <b>All Programs</b>           | <b>15</b>        | <b>Insf. Data</b>    |

| Institution                  | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada   | 12                 | Insf. Data          | 80.0%               | \$3,878                     |
| University of Phoenix-Nevada | 3                  | (50.0%)             | 20.0%               | \$9,552                     |

## Job Postings Summary

|  |  |
|--|--|
| <b>37,575</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>152,669 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

## Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Financial Managers  | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |

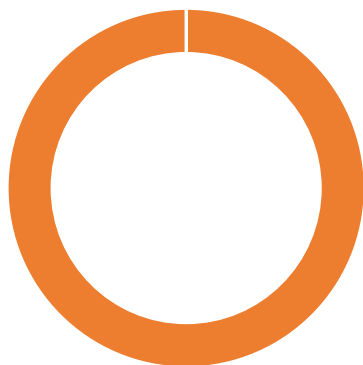
## Project Management (52.0211)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Administrative Services and Facilities Managers   | 2,056     | 207             | \$42.34         | 8.13%                | 0.71                     |
| Marketing Managers  | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Human Resources Managers  | 1,140     | 113             | \$49.21         | 8.23%                | 0.73                     |
| Logisticians  | 917       | 136             | \$29.61         | 25.75%               | 0.48                     |
| Public Relations and Fundraising Managers   | 421       | 47              | \$51.52         | 9.91%                | 0.52                     |

## Business Administration, Management and Operations, Other (52.0299)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>173,052</b><br>Jobs (2020)<br>8% below National average | <b>7.0%</b><br>% Change (2020-2025)<br>Nation: 3.1% | <b>\$55,830</b><br>Median Annual Earnings<br>Nation: \$61,266 | <b>6,920</b><br>Avg. Monthly Postings (2021)<br>9,048 Avg. Monthly Hires (2021) | <b>5</b><br>Program Completions<br>19,226 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 5                | (90.2%)              |
| <b>All Programs</b>           | <b>5</b>         | <b>(90.2%)</b>       |

| Institution             | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-------------------------|--------------------|---------------------|---------------------|-----------------------------|
| DeVry University-Nevada | 5                  | (64.3%)             | 100.0%              | \$15,368                    |

### Job Postings Summary

|  |  |
|--|--|
| <b>83,038</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>430,524 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Customer Service Representatives  | 28,551    | 4,255           | \$16.03         | 8.87%                | 1.09                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Secretaries and Administrative Assistants, Except Legal, Medical, and Executive                                       | 17,494    | 1,915           | \$18.74         | 0.37%                | 0.92                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| First-Line Supervisors of Retail Sales Workers  | 13,082    | 1,463           | \$19.78         | 2.63%                | 1.11                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |

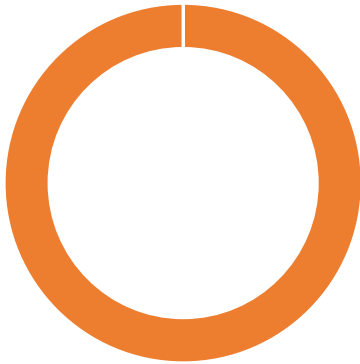
## Business Administration, Management and Operations, Other (52.0299)

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Office and Administrative Support Workers                          | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Accountants and Auditors   | 9,134     | 971             | \$30.63         | 8.05%                | 0.72                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Management Analysts  | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Computer User Support Specialists  | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Financial Managers   | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Human Resources Specialists  | 4,583     | 535             | \$25.69         | 9.34%                | 0.72                     |
| Market Research Analysts and Marketing Specialists   | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Sales Managers   | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Computer and Information Systems Managers  | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Chief Executives   | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers   | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Human Resources Managers   | 1,140     | 113             | \$49.21         | 8.23%                | 0.73                     |

## Accounting and Business/Management (52.0305)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>141,955</b><br>Jobs (2020)<br>10% below National average | <b>6.3%</b><br>% Change (2020-2025)<br>Nation: 2.7% | <b>\$60,101</b><br>Median Annual Earnings<br>Nation: \$65,182 | <b>4,184</b><br>Avg. Monthly Postings (2021)<br>7,218 Avg. Monthly Hires (2021) | <b>1</b><br>Program Completions<br>15,050 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | (100.0%)             |
| Non-Distance Offered Programs | 1                | Insf. Data           |
| <b>All Programs</b>           | <b>1</b>         | <b>(95.8%)</b>       |

| Institution                  | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Phoenix-Nevada | 1                  | Insf. Data          | 100.0%              | \$9,552                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>50,208</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>230,680 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Office Clerks, General  | 28,578    | 3,471           | \$17.89         | 2.91%                | 1.06                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Bookkeeping, Accounting, and Auditing Clerks  | 11,208    | 1,333           | \$19.65         | 3.49%                | 0.78                     |

## Accounting and Business/Management (52.0305)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Accountants and Auditors  | 9,134     | 971             | \$30.63         | 8.05%                | 0.72                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Financial Managers  | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Administrative Services and Facilities Managers   | 2,056     | 207             | \$42.34         | 8.13%                | 0.71                     |
| Cost Estimators   | 2,038     | 217             | \$30.35         | 7.16%                | 1.11                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Executive Secretaries and Executive Administrative Assistants                                       | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Transportation, Storage, and Distribution Managers  | 1,117     | 121             | \$39.32         | 14.39%               | 0.88                     |
| Payroll and Timekeeping Clerks  | 1,037     | 107             | \$22.61         | (2.50%)              | 0.86                     |
| Tax Preparers   | 1,033     | 134             | \$22.45         | 7.61%                | 1.29                     |
| Purchasing Managers   | 438       | 42              | \$53.06         | 8.36%                | 0.65                     |
| Brokerage Clerks  | 327       | 38              | \$22.29         | 1.36%                | 0.80                     |
| Budget Analysts   | 310       | 30              | \$33.77         | 7.96%                | 0.65                     |
| Agents and Business Managers of Artists, Performers, and Athletes                                   | 283       | 29              | \$23.12         | (14.00%)             | 1.42                     |
| Tax Examiners and Collectors, and Revenue Agents  | 282       | 27              | \$28.23         | 5.12%                | 0.56                     |
| Credit Analysts   | 274       | 29              | \$37.01         | 9.21%                | 0.42                     |
| Financial Examiners   | 193       | 24              | \$27.02         | 21.33%               | 0.30                     |
| Statistical Assistants  | 45        | 6               | \$27.36         | 9.18%                | 0.49                     |



## Accounting and Related Services, Other (52.0399)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>143,553</b><br>Jobs (2020)<br>10% <b>below</b> National average | <b>6.4%</b><br>% Change (2020-2025)<br>Nation: 2.8% | <b>\$60,223</b><br>Median Annual Earnings<br>Nation: \$65,484 | <b>4,225</b><br>Avg. Monthly Postings (2021)<br>7,317 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>15,207 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>50,695</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>233,050 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Office Clerks, General  | 28,578    | 3,471           | \$17.89         | 2.91%                | 1.06                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Bookkeeping, Accounting, and Auditing Clerks  | 11,208    | 1,333           | \$19.65         | 3.49%                | 0.78                     |
| Accountants and Auditors  | 9,134     | 971             | \$30.63         | 8.05%                | 0.72                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Financial Managers  | 5,646     | 544             | \$49.56         | 10.99%               | 0.91                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other                   | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Administrative Services and Facilities Managers   | 2,056     | 207             | \$42.34         | 8.13%                | 0.71                     |
| Cost Estimators   | 2,038     | 217             | \$30.35         | 7.16%                | 1.11                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |

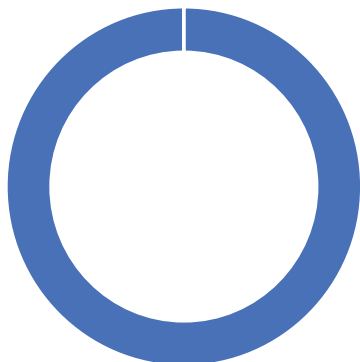
## Accounting and Related Services, Other (52.0399)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Executive Secretaries and Executive Administrative Assistants     | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Personal Financial Advisors                                       | 1,597     | 157             | \$32.37         | 11.20%               | 0.65                     |
| Transportation, Storage, and Distribution Managers                | 1,117     | 121             | \$39.32         | 14.39%               | 0.88                     |
| Payroll and Timekeeping Clerks                                    | 1,037     | 107             | \$22.61         | (2.50%)              | 0.86                     |
| Tax Preparers   | 1,033     | 134             | \$22.45         | 7.61%                | 1.29                     |
| Purchasing Managers   | 438       | 42              | \$53.06         | 8.36%                | 0.65                     |
| Brokerage Clerks  | 327       | 38              | \$22.29         | 1.36%                | 0.80                     |
| Budget Analysts   | 310       | 30              | \$33.77         | 7.96%                | 0.65                     |
| Agents and Business Managers of Artists, Performers, and Athletes | 283       | 29              | \$23.12         | (14.00%)             | 1.42                     |
| Tax Examiners and Collectors, and Revenue Agents                  | 282       | 27              | \$28.23         | 5.12%                | 0.56                     |
| Credit Analysts   | 274       | 29              | \$37.01         | 9.21%                | 0.42                     |
| Financial Examiners   | 193       | 24              | \$27.02         | 21.33%               | 0.30                     |
| Statistical Assistants  | 45        | 6               | \$27.36         | 9.18%                | 0.49                     |

## Business/Office Automation/Technology/Data Entry (52.0407)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>39,673</b><br>Jobs (2020)<br>0% above National average | <b>3.6%</b><br>% Change (2020-2025)<br>Nation: 0.7% | <b>\$39,237</b><br>Median Annual Earnings<br>Nation: \$39,235 | <b>1,120</b><br>Avg. Monthly Postings (2021)<br>2,561 Avg. Monthly Hires (2021) | <b>3</b><br>Program Completions<br>4,541 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 3                | Insf. Data           |
| Non-Distance Offered Programs | 0                | 0.0%                 |
| <b>All Programs</b>           | <b>3</b>         | <b>Insf. Data</b>    |

| Institution         | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|---------------------|--------------------|---------------------|---------------------|-----------------------------|
| Great Basin College | 3                  | 200.0%              | 100.0%              | \$3,593                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>13,435</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>89,839 Total Postings | <b>7 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

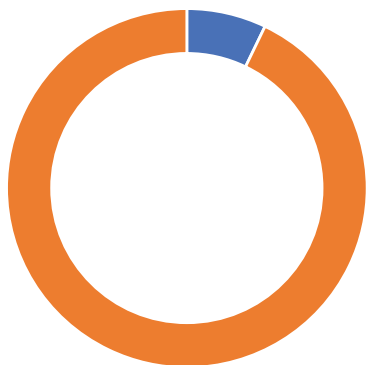
### Target Occupations

| Occupation                        | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|-----------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Office Clerks, General            | 28,578    | 3,471           | \$17.89         | 2.91%                | 1.06                     |
| Computer User Support Specialists | 6,113     | 534             | \$24.14         | 6.33%                | 1.00                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| File Clerks                       | 1,434     | 168             | \$15.65         | (0.87%)              | 1.65                     |
| Data Entry Keyers                 | 1,115     | 125             | \$15.42         | (1.72%)              | 0.77                     |
| Word Processors and Typists       | 172       | 19              | \$13.60         | (11.34%)             | 0.37                     |

## Entrepreneurship/Entrepreneurial Studies (52.0701)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>55,184</b><br>Jobs (2020)<br>1% below National average | <b>8.1%</b><br>% Change (2020-2025)<br>Nation: 5.1% | <b>\$82,254</b><br>Median Annual Earnings<br>Nation: \$89,512 | <b>1,913</b><br>Avg. Monthly Postings (2021)<br>2,319 Avg. Monthly Hires (2021) | <b>28</b><br>Program Completions<br>5,252 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 2                | 0.0%                 |
| Non-Distance Offered Programs | 26               | (3.7%)               |
| <b>All Programs</b>           | <b>28</b>        | <b>(3.4%)</b>        |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 22                 | 4.8%                | 78.6%               | \$8,465                     |
| Sierra Nevada University       | 4                  | 33.3%               | 14.3%               | \$35,508                    |
| Great Basin College            | 2                  | (50.0%)             | 7.1%                | \$3,593                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>22,959</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>97,392 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other                   | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |

## Entrepreneurship/Entrepreneurial Studies (52.0701)

| Occupation                      | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Chief Executives                | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Fundraisers                     | 454       | 61              | \$28.35         | 16.70%               | 0.48                     |

## Small Business Administration/Management (52.0703)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>64,471</b><br>Jobs (2020)<br>1% below National average | <b>7.2%</b><br>% Change (2020-2025)<br>Nation: 4.0% | <b>\$74,701</b><br>Median Annual Earnings<br>Nation: \$79,861 | <b>2,028</b><br>Avg. Monthly Postings (2021)<br>2,710 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>6,259 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>24,339</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>108,549 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

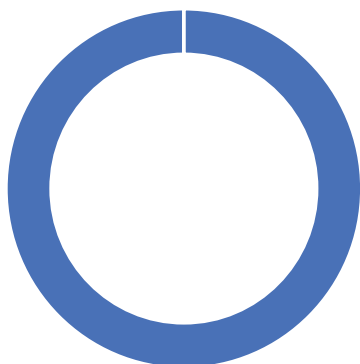
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Computer Occupations, All Other   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Fundraisers   | 454       | 61              | \$28.35         | 16.70%               | 0.48                     |

## Entrepreneurial and Small Business Operations, Other (52.0799)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>66,738</b><br>Jobs (2020)<br>4% below National average | <b>7.4%</b><br>% Change (2020-2025)<br>Nation: 4.1% | <b>\$74,414</b><br>Median Annual Earnings<br>Nation: \$80,188 | <b>2,157</b><br>Avg. Monthly Postings (2021)<br>2,892 Avg. Monthly Hires (2021) | <b>3</b><br>Program Completions<br>6,490 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 3                | Insf. Data           |
| Non-Distance Offered Programs | 0                | 0.0%                 |
| <b>All Programs</b>           | <b>3</b>         | <b>Insf. Data</b>    |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 3                  | Insf. Data          | 100.0%              | \$2,862                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>25,878</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>114,079 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other                   | 2,267     | 231             | \$33.07         | 11.35%               | 0.51                     |

## Entrepreneurial and Small Business Operations, Other (52.0799)

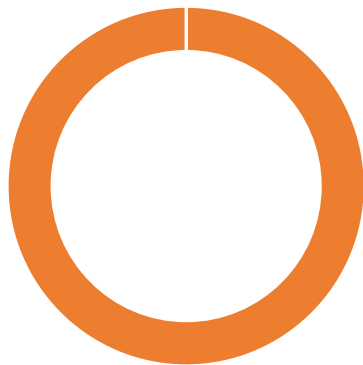
| Occupation                      | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Chief Executives                | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Fundraisers                     | 454       | 61              | \$28.35         | 16.70%               | 0.48                     |



## International Business/Trade/Commerce (52.1101)

|   |   |   |   |   |
|---|---|---|---|---|
| <b>58,017</b><br>Jobs (2020)<br>3% below National average | <b>8.4%</b><br>% Change (2020-2025)<br>Nation: 5.9% | <b>\$81,273</b><br>Median Annual Earnings<br>Nation: \$89,263 | <b>2,228</b><br>Avg. Monthly Postings (2021)<br>2,417 Avg. Monthly Hires (2021) | <b>88</b><br>Program Completions<br>5,648 Annual Openings |
|---|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 88               | 57.1%                |
| <b>All Programs</b>           | <b>88</b>        | <b>57.1%</b>         |

| Institution                    | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|--------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Las Vegas | 47                 | 56.7%               | 53.4%               | \$8,465                     |
| University of Nevada-Reno      | 33                 | 50.0%               | 37.5%               | \$8,695                     |
| Sierra Nevada University       | 8                  | (38.5%)             | 9.1%                | \$35,508                    |

### Job Postings Summary

|   |   |
|---|---|
| <b>26,738</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>114,087 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |

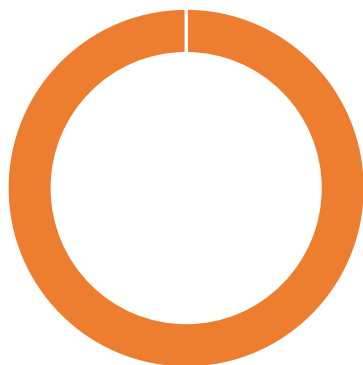
## International Business/Trade/Commerce (52.1101)

| Occupation                      | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Computer Occupations, All Other | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Chief Executives                | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Marketing Managers              | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Economists                      | 109       | 10              | \$40.57         | 9.83%                | 0.61                     |

## Management Information Systems, General (52.1201)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>17,337</b><br>Jobs (2020)<br>42% below National average | <b>11.9%</b><br>% Change (2020-2025)<br>Nation: 6.5% | <b>\$85,124</b><br>Median Annual Earnings<br>Nation: \$96,689 | <b>1,258</b><br>Avg. Monthly Postings (2021)<br>651 Avg. Monthly Hires (2021) | <b>8</b><br>Program Completions<br>1,834 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 8                | (90.7%)              |
| <b>All Programs</b>           | <b>8</b>         | <b>(90.7%)</b>       |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 5                  | 150.0%              | 62.5%               | \$2,862                     |
| University of Nevada-Las Vegas    | 2                  | 100.0%              | 25.0%               | \$8,465                     |
| DeVry University-Nevada           | 1                  | (50.0%)             | 12.5%               | \$15,368                    |

### Job Postings Summary

|  |   |
|--|---|
| <b>15,090</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>54,441 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

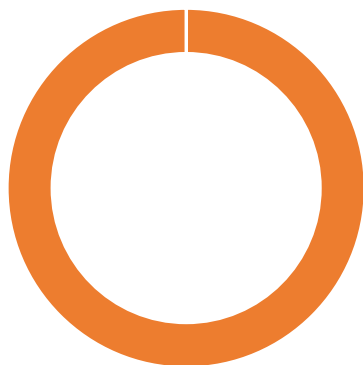
### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Market Research Analysts and Marketing Specialists  | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |

## Management Information Systems and Services, Other (52.1299)

|  |  |   |   |  |
|--|--|---|---|--|
| <b>17,337</b><br>Jobs (2020)<br>42% below National average | <b>11.9%</b><br>% Change (2020-2025)<br>Nation: 6.5% | <b>\$85,124</b><br>Median Annual Earnings<br>Nation: \$96,689 | <b>1,258</b><br>Avg. Monthly Postings (2021)<br>651 Avg. Monthly Hires (2021) | <b>1</b><br>Program Completions<br>1,834 Annual Openings |
|--|--|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 1                | (80.0%)              |
| <b>All Programs</b>           | <b>1</b>         | <b>(80.0%)</b>       |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| Truckee Meadows Community College | 1                  | (50.0%)             | 100.0%              | \$2,862                     |

### Job Postings Summary

|   |  |
|---|--|
| <b>15,090</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>54,441 Total Postings | <b>4 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|--|

### Target Occupations

| Occupation                                  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Management Analysts                         | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |
| Computer Occupations, All Other             | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Computer and Information Systems Managers   | 2,093     | 218             | \$56.84         | 13.31%               | 0.49                     |
| Computer Systems Analysts                   | 2,093     | 215             | \$42.25         | 14.41%               | 0.38                     |
| Network and Computer Systems Administrators | 1,494     | 140             | \$39.85         | 12.85%               | 0.47                     |
| Computer Programmers                        | 1,181     | 85              | \$41.45         | 0.89%                | 0.68                     |
| Database Administrators and Architects      | 741       | 71              | \$44.43         | 10.03%               | 0.60                     |
| Information Security Analysts               | 602       | 76              | \$43.07         | 23.70%               | 0.46                     |

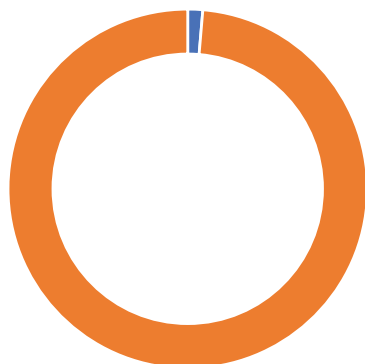
## Management Information Systems and Services, Other (52.1299)

| Occupation                   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|------------------------------|-----------|-----------------|-----------------|----------------------|--------------------------|
| Operations Research Analysts | 286       | 35              | \$32.20         | 24.84%               | 0.32                     |

## Marketing/Marketing Management, General (52.1401)

|  |   |   |   |  |
|--|---|---|---|--|
| <b>18,194</b><br>Jobs (2020)<br>22% below National average | <b>7.1%</b><br>% Change (2020-2025)<br>Nation: 7.3% | <b>\$59,126</b><br>Median Annual Earnings<br>Nation: \$76,641 | <b>1,477</b><br>Avg. Monthly Postings (2021)<br>976 Avg. Monthly Hires (2021) | <b>298</b><br>Program Completions<br>2,073 Annual Openings |
|--|---|---|---|--|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 4                | 100.0%               |
| Non-Distance Offered Programs | 294              | 101.4%               |
| <b>All Programs</b>           | <b>298</b>       | <b>101.4%</b>        |

| Institution                       | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|-----------------------------------|--------------------|---------------------|---------------------|-----------------------------|
| University of Nevada-Reno         | 175                | (6.4%)              | 58.7%               | \$8,695                     |
| University of Nevada-Las Vegas    | 118                | 22.9%               | 39.6%               | \$8,465                     |
| Truckee Meadows Community College | 4                  | 300.0%              | 1.3%                | \$2,862                     |
| University of Phoenix-Nevada      | 1                  | (75.0%)             | 0.3%                | \$9,552                     |

### Job Postings Summary

|  |   |
|--|---|
| <b>17,723</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>65,869 Total Postings | <b>4 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|---|

### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Market Research Analysts and Marketing Specialists | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Interviewers, Except Eligibility and Loan          | 3,712     | 459             | \$15.82         | (0.98%)              | 2.21                     |
| Sales Managers                                     | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Computer Occupations, All Other                    | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Marketing Managers                                 | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |

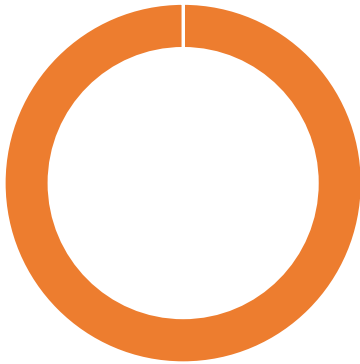
## Marketing/Marketing Management, General (52.1401)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Public Relations Specialists                                      | 1,369     | 144             | \$27.82         | 6.07%                | 0.57                     |
| Meeting, Convention, and Event Planners                           | 1,116     | 126             | \$22.09         | 1.04%                | 0.97                     |
| Fundraisers   | 454       | 61              | \$28.35         | 16.70%               | 0.48                     |
| Agents and Business Managers of Artists, Performers, and Athletes | 283       | 29              | \$23.12         | (14.00%)             | 1.42                     |
| Advertising and Promotions Managers                               | 193       | 18              | \$42.50         | (8.69%)              | 0.86                     |
| Survey Researchers  | 84        | 10              | \$25.22         | 8.93%                | 0.75                     |

## Sales, Distribution, and Marketing Operations, General (52.1801)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>57,379</b><br>Jobs (2020)<br>12% below National average | <b>6.2%</b><br>% Change (2020-2025)<br>Nation: 3.1% | <b>\$48,393</b><br>Median Annual Earnings<br>Nation: \$55,840 | <b>3,253</b><br>Avg. Monthly Postings (2021)<br>2,795 Avg. Monthly Hires (2021) | <b>17</b><br>Program Completions<br>6,645 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | 0.0%                 |
| Non-Distance Offered Programs | 17               | 466.7%               |
| <b>All Programs</b>           | <b>17</b>        | <b>466.7%</b>        |

| Institution                | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------------|--------------------|---------------------|---------------------|-----------------------------|
| College of Southern Nevada | 17                 | 88.9%               | 100.0%              | \$3,878                     |

### Job Postings Summary

|   |   |
|---|---|
| <b>39,041</b><br>Unique Postings<br>(Jan 2021 - Dec 2021)<br>184,842 Total Postings | <b>5 : 1</b><br>Posting Intensity<br>(Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|---|---|

### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| First-Line Supervisors of Retail Sales Workers   | 13,082    | 1,463           | \$19.78         | 2.63%                | 1.11                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Real Estate Sales Agents   | 5,993     | 607             | \$27.36         | 6.24%                | 1.54                     |
| Insurance Sales Agents   | 4,812     | 531             | \$20.10         | 7.86%                | 0.78                     |
| Market Research Analysts and Marketing Specialists   | 3,722     | 504             | \$26.77         | 15.86%               | 0.57                     |
| Telemarketers  | 3,605     | 557             | \$11.96         | 1.04%                | 3.37                     |
| Securities, Commodities, and Financial Services Sales Agents                                 | 3,365     | 343             | \$23.24         | 6.70%                | 0.80                     |



## Sales, Distribution, and Marketing Operations, General (52.1801)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Buyers and Purchasing Agents  | 3,126     | 326             | \$26.71         | 3.16%                | 0.79                     |
| Driver/Sales Workers  | 2,635     | 417             | \$12.41         | 19.94%               | 0.67                     |
| First-Line Supervisors of Non-Retail Sales Workers                                    | 2,471     | 242             | \$27.64         | 3.36%                | 0.82                     |
| Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products | 1,691     | 215             | \$42.08         | 12.15%               | 0.63                     |
| Door-to-Door Sales Workers, News and Street Vendors, and Related Workers              | 641       | 76              | \$11.46         | (15.26%)             | 1.22                     |
| Advertising Sales Agents  | 634       | 80              | \$22.85         | (3.80%)              | 0.61                     |
| Sales Engineers   | 172       | 24              | \$46.58         | 14.55%               | 0.29                     |

## Fashion Merchandising (52.1902)

|   |   |   |   |  |
|---|---|---|---|--|
| <b>63,794</b><br>Jobs (2020)<br>4% below National average | <b>7.6%</b><br>% Change (2020-2025)<br>Nation: 2.3% | <b>\$41,541</b><br>Median Annual Earnings<br>Nation: \$45,631 | <b>2,705</b><br>Avg. Monthly Postings (2021)<br>4,011 Avg. Monthly Hires (2021) | <b>0</b><br>Program Completions<br>8,509 Annual Openings |
|---|---|---|---|--|

### 2020 Program Completions

*This program is not available in the State of Nevada.*

### Job Postings Summary

|  |  |
|--|--|
| <b>32,459</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>167,355 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

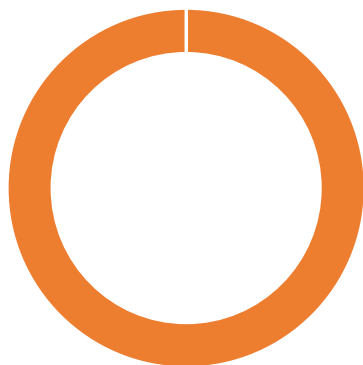
### Target Occupations

| Occupation   | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|--|-----------|-----------------|-----------------|----------------------|--------------------------|
| Stockers and Order Fillers   | 22,917    | 4,236           | \$14.07         | 11.12%               | 1.14                     |
| First-Line Supervisors of Retail Sales Workers   | 13,082    | 1,463           | \$19.78         | 2.63%                | 1.11                     |
| Project Management Specialists and Business Operations Specialists, All Other                | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 8,154     | 939             | \$29.03         | 7.31%                | 0.68                     |
| Buyers and Purchasing Agents   | 3,126     | 326             | \$26.71         | 3.16%                | 0.79                     |
| Marketing Managers   | 1,723     | 174             | \$48.88         | 7.74%                | 0.66                     |
| Merchandise Displayers and Window Trimmers   | 1,255     | 119             | \$14.92         | 0.84%                | 1.02                     |
| Fashion Designers  | 463       | 41              | \$21.39         | (8.53%)              | 1.90                     |
| Purchasing Managers  | 438       | 42              | \$53.06         | 8.36%                | 0.65                     |

## Business, Management, Marketing, and Related Support Services, Other (52.9999)

|  |   |   |   |   |
|--|---|---|---|---|
| <b>118,150</b><br>Jobs (2020)<br>4% below National average | <b>6.5%</b><br>% Change (2020-2025)<br>Nation: 3.0% | <b>\$62,531</b><br>Median Annual Earnings<br>Nation: \$66,997 | <b>3,434</b><br>Avg. Monthly Postings (2021)<br>5,932 Avg. Monthly Hires (2021) | <b>5</b><br>Program Completions<br>12,404 Annual Openings |
|--|---|---|---|---|

### 2020 Program Completions



|                               | 2020 Completions | % Change (2012-2020) |
|-------------------------------|------------------|----------------------|
| Distance Offered Programs     | 0                | (100.0%)             |
| Non-Distance Offered Programs | 5                | Insf. Data           |
| <b>All Programs</b>           | <b>5</b>         | <b>(83.3%)</b>       |

| Institution          | Completions (2020) | Growth % YOY (2020) | Market Share (2020) | IPEDS Tuition & Fees (2020) |
|----------------------|--------------------|---------------------|---------------------|-----------------------------|
| Nevada State College | 5                  | (44.4%)             | 100.0%              | \$6,075                     |

### Job Postings Summary

|  |  |
|--|--|
| <b>41,209</b><br>Unique Postings (Jan 2021 - Dec 2021)<br>186,419 Total Postings | <b>5 : 1</b><br>Posting Intensity (Jan 2021 - Dec 2021)<br>Regional Average: 5 : 1 |
|--|--|

### Target Occupations

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Office Clerks, General  | 28,578    | 3,471           | \$17.89         | 2.91%                | 1.06                     |
| General and Operations Managers   | 21,279    | 2,195           | \$49.45         | 8.96%                | 0.97                     |
| Personal Service Managers, All Other; Entertainment and Recreation Managers, Except Gambling; and Managers, All Other | 14,315    | 1,212           | \$38.17         | 5.45%                | 1.69                     |
| Project Management Specialists and Business Operations Specialists, All Other   | 12,636    | 1,168           | \$31.21         | 8.74%                | 0.90                     |
| First-Line Supervisors of Office and Administrative Support Workers   | 11,554    | 1,238           | \$24.99         | 3.70%                | 0.87                     |
| Management Analysts   | 6,585     | 768             | \$36.55         | 10.96%               | 0.80                     |

## Business, Management, Marketing, and Related Support Services, Other (52.9999)

| Occupation  | 2020 Jobs | Annual Openings | Median Earnings | Growth (2020 - 2025) | Location Quotient (2020) |
|---|-----------|-----------------|-----------------|----------------------|--------------------------|
| Construction Managers   | 5,005     | 485             | \$39.03         | 11.07%               | 1.20                     |
| Sales Managers  | 3,276     | 321             | \$53.43         | 6.40%                | 0.90                     |
| Computer Occupations, All Other                                   | 2,261     | 226             | \$36.45         | 11.93%               | 0.61                     |
| Administrative Services and Facilities Managers                   | 2,056     | 207             | \$42.34         | 8.13%                | 0.71                     |
| Cost Estimators   | 2,038     | 217             | \$30.35         | 7.16%                | 1.11                     |
| Chief Executives  | 1,971     | 159             | \$80.60         | 4.81%                | 0.80                     |
| Executive Secretaries and Executive Administrative Assistants     | 1,813     | 203             | \$31.10         | 0.18%                | 0.38                     |
| Transportation, Storage, and Distribution Managers                | 1,117     | 121             | \$39.32         | 14.39%               | 0.88                     |
| Meeting, Convention, and Event Planners                           | 1,116     | 126             | \$22.09         | 1.04%                | 0.97                     |
| Social and Community Service Managers                             | 922       | 116             | \$35.84         | 17.50%               | 0.58                     |
| Industrial Production Managers                                    | 907       | 101             | \$47.19         | 18.99%               | 0.56                     |
| Purchasing Managers   | 438       | 42              | \$53.06         | 8.36%                | 0.65                     |
| Agents and Business Managers of Artists, Performers, and Athletes | 283       | 29              | \$23.12         | (14.00%)             | 1.42                     |

# Methodology

The purpose of this report is to provide clear mapping of educational programs to each occupation within a career cluster, to determine which occupations in a career cluster are in-demand and/or deficient in Nevada, and to provide information to help leaders in workforce development and education determine if Nevada post-secondary education producing enough graduates in target occupations to cover the current and desired growth. The industries selected for these analyses (Health Care, Information Technology, Manufacturing, and Logistics) were those targeted to be most important to Nevada's economic diversification efforts in [Nevada's Plan for Recovery and Resilience](#). In order to concentrate on the occupations unique to each of the industries, O\*NET's corresponding career cluster lists were utilized along with suggestions from industry experts.

**Each occupational profile seeks to answer the following questions:**

## **How many jobs do we need to meet the national average?**

Each occupation details the current number of jobs within the occupation and how many jobs are needed to meet the national average. The number of jobs needed to meet the national average is derived using the location quotient for that occupation. It is important to note that Nevada does not necessarily need to match or exceed the national average for each occupation; however, if we seek to be competitive in a certain occupation and/or corresponding industries, this statistic is important.

## **How do current program completions compare to annual openings?**

Annual openings is an estimate of both new jobs and jobs that will need to be filled by new hires due to existing workers leaving the occupation. Comparing this figure to the number of current program completions can provide an idea of whether our current educational programs are filling the needs of the job market. This analysis should be done with caution, as annual openings and program completions are not "one-to-one".

## **How does the occupation rank in terms of demand?**

GOED's In-Demand Occupational Ranking list was used to determine the ranking for each occupation. The ranking has been assigned a color to help identify how well ranked the occupation is within the list. **Green** rankings are in the top-third of the list, **Grey** rankings are in the middle-third of the list, and **Red** rankings are in the bottom-third of the list. Green rankings should be considered as the most desirable occupations for related educational program development and/or expansion.

## **Does the occupation require higher education for entry-level?**

There are many occupations that have few or no associated educational programs/program completions, but do not require entry-level education beyond a high school diploma. Even if these jobs ranked highly in terms of demand, it is not likely that educational program development/expansion is necessary for that occupation in Nevada.

## Is this analysis enough?

The information listed in the occupational summary is helpful in determining whether educational workforce development programs are adequately producing enough graduates and completers to staff an occupation. However, this information does not determine whether we need more educational programs or not. Educational programs are not one-to-one with occupations, because one program can be relevant for many occupations. Because of this fact, the occupational data is not the whole story. To adequately examine occupational-education mapping, analysis must be conducted on the program side as well.

### Each educational program profile seeks to answer the following questions:

#### **How do jobs related to this program compete with other jobs in the economy?**

Consider the number of current jobs that are mapped to the program and how that number compares to the national average. Confirm if the occupations are projected to grow and if companies are actively hiring (number of job postings). Compare the average wage to the national average - is this wage reasonable?

#### **How are these programs distributed regionally?**

Determine where the programs are located. Is a program located only in the North, but growth is expected in the South or in rural areas? If growth is expected in an area without a program, is distance education for the program offered?

#### **How many occupations does this program map to, and what is the cumulative demand in the economy for more educational programs in this field?**

Consider the total annual openings, projected growth, and annual job postings for all the occupations. It may be helpful to exclude occupations that require only a high-school diploma or less for entry-level positions.

#### **What are employers in the field saying?**

Examining the data is important, but local employer testimonies are just as important. Do local employers prefer a specific degree for a specific occupation? Are they struggling to find local candidates with proper credentials?

Along with expert opinion and employer input, considering each of these questions on both the occupation and education side should provide an adequate analysis to aid workforce development and educational leaders in determining which in-demand occupations in the career cluster if Nevada higher education is producing enough graduates in target occupations to cover the current and desired growth.

# Data Sources

## Emsi

Emsi provides the best mix of Labor Market Information (LMI) for professionals in higher education, economic development, workforce development, talent acquisition, and site selection. Their data, which covers more than 99% of the workforce, is compiled from a wide variety of government sources, job postings, and online profiles and resumes. Emsi data is used to solve a variety of problems, including: aligning education programs with regional needs, equipping students with career visions, to understand regional economic and workforce activity, and connecting the right talent to the right job.

## Occupational Employment Statistics (OES)

The Occupational Employment Statistics (OES) program estimates employment and wages for most occupations by industry and sector at the national, the state, the metropolitan statistical area (MSA), and the non-MSA levels in all 50 states and the District of Columbia. OES accounts for 1.1 million establishments and 57 percent of national employment, including railroad, but excluding military, agriculture, fishing, forestry, private households, self-employment, and others.

### How Emsi Incorporates OES

OES is our primary source of occupation data, but we compensate for OES's general weaknesses and lack of valid historical data by utilizing stronger, more accurate industry employment counts from the Quarterly Census of Employment and Wages (QCEW), County Business Patterns (CBP), and American Community Survey (ACS), among others. We then apply regionalized, OES-based staffing patterns to the industry data to show the distribution of jobs by occupation within an industry sector.

Emsi gathers occupation earnings data from the OES program. We use unsuppression techniques to fill in missing values as appropriate, and then build a time series of OES data to report and present historical occupation earnings.

## Integrated Post-secondary Education Data System (IPEDS)

IPEDS is a system of interrelated surveys conducted annually by the U.S. Department's National Center for Education Statistics (NCES). IPEDS gathers information from every college, university, and technical and vocational institution that participates in the federal student financial aid programs. The Higher Education Act of 1965, as amended, requires that institutions that participate in federal student aid programs report data on enrollments, program completions, graduation rates, faculty and staff, finances, institutional prices, and student financial aid. Many institutions that do not receive federal funding also participate and report their data to IPEDS voluntarily.

Emsi uses IPEDS data to provide information about postsecondary institutions, especially in regard to college completions by program type and demographic (race and gender). Completions include degrees (associate's, bachelor's, master's, doctoral), certificates, and any other formal award.

In addition, Emsi uses the Classification of Instructional Programs (CIP) system to create

program-to-occupation crosswalks, which map programs of study to occupations and reveal one measure of education supply and demand.

## **Job Posting Analytics (JPA)**

JPA is data collected from hundreds of millions of job postings created by employers. JPA can help measure the demand for talent in a given region. It is more granular than traditional LMI, providing details about the labor market (e.g. specific skills requested by employers) that LMI simply can't. Another of JPA's strengths is that it has virtually no time lag, since job postings are live; hence it is also sometimes known as "real-time labor market data." The number of postings may be either higher or lower than the number of actual hires. Postings might outnumber hires when a company is trying hard to find talent, or postings may be significantly fewer than hires because certain types of jobs (e.g., roofers, welders, and other blue-collar jobs) aren't typically advertised online. When this happens, Emsi deduplicates the postings as much as possible and then provide a realistic ratio of unique postings to hires.

## **In-Demand Occupation Analysis**

The In-Demand Occupation Ranking List is a product developed by the Nevada Governor's Office of Economic Development (GOED).

### **Several factors are utilized to create the occupational ranking:**

**Target Sector Approach** - To focus the rankings on GOED's target industries, staffing patterns were utilized on the culmination of the Aerospace and Defense, Health Care, Information Technology, Manufacturing, Logistics & Operations, Mining, Natural Resource Technologies and Tourism & Gaming industries. This approach is the first step in creating staffing demand estimates by occupation for these target sectors.

**STEM Scores** - In 2013, Brookings developed a comprehensive scoring system to determine the level of STEM knowledge needed to be employed in each occupation. The report defines STEM occupations in two ways: High-STEM in any one field: The occupation must have a knowledge score of at least 1.5 standard deviations above the mean in at least one STEM field. Super-STEM or high-STEM across fields: The occupation's combined STEM score—the sum of the scores from each field—must be at least 1.5 standard deviations above the mean score. Since this report was developed prior to the current 2018 Standard Occupational Classification (SOC) system, adjustments were conducted in house to bring the scores up to date.

**Location quotient (LQ)** - LQ is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared state or county containing that region or to the nation. It can reveal what makes a particular region "unique." For the majority of occupations, the LQ was calculated using the target sector employment. If an occupation had 200 employees or less, the LQ for all persons employed in the occupation (not just within the GOED sectors), also known as the "economy LQ" was used instead. This approach helps normalize the smaller occupations within the target sectors.

**Job Postings** - Using Emsi's Job Posting Analytics (see the definition above for a detailed description), unique postings from the most recent one-year period at the time the ranking list was developed (May 2020 - April 2021) were collected for each occupation.



**Wages** - Occupational wages, which are sometimes referred to as compensation, consist of percentile earnings and average earnings for the occupation. These wages are derived from the OES program. For the purposes of the In-Demand Occupation Analysis, average wages for each occupation were utilized. In the cases of suppressed wages, national wages were supplemented.

**Employment Projections** - The Bureau of Labor Statistics' Employment Projections (EP) program produces many datasets covering various facets of the labor force. The EP tables are updated annually. Emsi uses several datasets from EP:

- Occupational Separations and Openings is used to provide replacement rates for use in Emsi's Openings calculation.
- Educational attainment for workers 25 years and older by occupation shows, by occupation, the percent educational breakout of the workforce for the occupation. Emsi uses this data as-is in its Educational Attainment breakouts for individual occupations:
- The Education and training by occupation table shows the typical education level needed to enter an occupation, as well as the work experience and typical level of on-the-job-training required.
- The National Industry-Occupation Employment Matrix (NIOEM) is used to adjust Emsi's industry and staffing projections, and therefore informs Emsi's occupation projections as well.

**Automation Index** - The automation index is a product of Emsi and captures an occupation's risk of being affected by automation using four measures: percent of time spent on high-risk work, percent of time spent on low-risk work, number of high-risk jobs in compatible occupations, and overall industry automation risk. The automation index is presented as a scale with a base of 100. An automation index greater than 100 indicates a higher-than-average risk of automation; an automation index less than 100 indicates a lower-than-average risk of automation.

**COVID Susceptibility Index** - The COVID index was created by GOED by weighting job loss, unemployment insurance claims, and change in wage from the peak of the pandemic until the most currently available data for each occupation. Each of these factors are then ranked by occupation and then combined to create a score for each occupation. Those scores are then converted to a ranking. Any occupation with a ranking greater than 100 indicates a higher-than-average risk of COVID affecting the occupation negatively; a ranking of less than 100 indicates a lower-than-average risk of COVID affecting the occupation negatively.

Once all of the data is compiled for each occupation, each factor is weighted. Weights are determined by expert opinion and regression analysis to derive the most logical and optimal score for all occupations. Using the weighted scores, the six-digit occupations are then ranked to provide the detailed In-Demand Occupation Ranking list.

## Taxonomies

**North American Industrial Classification System (NAICS)** - Developed in cooperation with Canada and Mexico, the North American Industry Classification System (NAICS) uses a production-oriented conceptual framework to group establishments into industries based on the activity in which they are primarily engaged. Establishments using similar raw material inputs, similar capital equipment, and similar labor are classified in the same industry. In other

words, establishments that do similar things in similar ways are classified together. NAICS was introduced in 1997 and is periodically revised to reflect changes in the industrial structure of the U.S. and North American economy.

**Classification of Instructional Programs (CIP)** - The Classification of Instructional Programs (CIP) is a taxonomy of academic programs developed by the US Department of Education. Colleges and universities across the country assign CIP codes to their academic programs. CIP codes are also often assigned to courses, certificates, and degrees.

**Standard Occupational Classification (SOC) System** - The 2018 Standard Occupational Classification (SOC) system is a federal statistical standard used by federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. All workers are classified into one of 867 detailed occupations according to their occupational definition. To facilitate classification, detailed occupations are combined to form 459 broad occupations, 98 minor groups, and 23 major groups. Detailed occupations in the SOC with similar job duties, and in some cases skills, education, and/or training, are grouped together.

# Data Limitations

## Occupational Employment Statistics (OES)

OES is merely a survey and is not based on administrative records like Quarterly Census of Employment and Wages (QCEW) from the BLS; because of this, OES's figures aren't as comprehensive as most industry data.

Not all metropolitan and non-metropolitan areas have information for all occupations. Only 57 percent of employment is covered in the OES survey (compared to the 95 percent of wage-and-salary jobs captured by QCEW), which excludes all industries under NAICS 11 (agriculture, forestry, fishing, and hunting) except for logging, support activities for crop production, and support activities for animal production.

The OES survey takes up to three years to complete, so the BLS states that it is less useful for measuring change in job counts or wages over time. An apparent increase in wages, for example, could just as likely be due to different businesses responding to the survey in one year, changes in the occupational, industrial, and geographical classification systems, changes to collection or estimation methods, or changes to other methodologies in the survey.

## Integrated Post-secondary Education Data System (IPEDS)

Institutions self-report their information to IPEDS, so the possibility of error exists, particularly in regard to the reported programs of study.

There is about a year lag between when IPEDS collects its data and when it is released. IPEDS is not comprehensive of all education and training programs (e.g. MakerSquare and other non-traditional education and training programs are not included in this data).

Programs that are offered online are flagged as such, but their enrollments and completions cannot be split out to show number of brick-and-mortar completions vs. number of online completions.

The CIP taxonomy is not intuitively organized; its classifications do not necessarily match up with the exact names of majors, and similar programs may not be found within the same six, four, or even two-digit series.

## Job Posting Analytics (JPA)

The number of postings may be either higher or lower than the number of actual hires. Postings might outnumber hires when a company is trying hard to find talent, or postings may be significantly fewer than hires because certain types of jobs (e.g., roofers, welders, and other blue-collar jobs) aren't typically advertised online. When this happens, Emsi deduplicate the postings as much as possible and then provide a realistic ratio of unique postings to hires.

## **In-Demand Occupation Analysis**

GOED's In-Demand Occupation Analysis is developed to inform lawmakers, educational institutions, workforce development agencies, and students what occupations are needed to continue economic diversification while also considering job postings, existing industry employment projections, STEM scores, job openings, wages, automation risk and COVID risk. This multi-variate approach is an effort to mitigate bias inherent to any one data series and, as such, the occupations presented as most in-demand may not align with private agencies, national reports, or other states.

## Appendix A: Occupational Summary Table, Sorted by In-Demand Occupational Rank

| SOC     | Description   | 2020 Jobs | Jobs Above or Below National Average | Total 2020 Program Completions | Annual Openings | Avg. Hourly Earnings | In-Demand Occupational Rank |
|---------|---|-----------|--------------------------------------|--------------------------------|-----------------|----------------------|-----------------------------|
| 15-1256 | Software Developers and Software Quality Assurance Analysts and Testers       | 5,770     | (7,997)                              | 629                            | 747             | \$47.35              | 1                           |
| 15-1211 | Computer Systems Analysts   | 2,093     | (3,348)                              | 944                            | 215             | \$44.69              | 4                           |
| 15-1244 | Network and Computer Systems Administrators                                   | 1,494     | (1,672)                              | 968                            | 140             | \$41.59              | 8                           |
| 15-1299 | Computer Occupations, All Other   | 2,261     | (1,427)                              | 2,175                          | 226             | \$37.63              | 13                          |
| 13-1198 | Project Management Specialists and Business Operations Specialists, All Other | 12,636    | (1,412)                              | 4,513                          | 1,168           | \$33.55              | 16                          |
| 13-1161 | Market Research Analysts and Marketing Specialists                            | 3,722     | (2,848)                              | 1,689                          | 504             | \$29.40              | 23                          |
| 15-1212 | Information Security Analysts   | 602       | (702)                                | 1,433                          | 76              | \$52.34              | 27                          |
| 15-1257 | Web Developers and Digital Interface Designers                                | 1,080     | (649)                                | 430                            | 105             | \$31.22              | 38                          |
| 15-1232 | Computer User Support Specialists   | 6,113     | 10                                   | 3,515                          | 534             | \$26.18              | 42                          |
| 15-1241 | Computer Network Architects   | 627       | (848)                                | 1,070                          | 52              | \$53.26              | 43                          |

| <b>SOC</b> | <b>Description</b>  | <b>2020 Jobs</b> | <b>Jobs Above or Below National Average</b> | <b>Total 2020 Program Completions</b> | <b>Annual Openings</b> | <b>Avg. Hourly Earnings</b> | <b>In-Demand Occupational Rank</b> |
|------------|---|------------------|---|---------------------------------------|------------------------|-----------------------------|------------------------------------|
| 15-1245    | Database Administrators and Architects                          | 741              | (493)                                       | 752                                   | 71                     | \$45.68                     | 95                                 |
| 15-2098    | Data Scientists and Mathematical Science Occupations, All Other | 207              | (345)                                       | 105                                   | 30                     | \$54.67                     | 104                                |
| 15-1251    | Computer Programmers  | 1,181            | (566)                                       | 636                                   | 85                     | \$42.97                     | 117                                |
| 15-1231    | Computer Network Support Specialists                            | 1,512            | (225)                                       | 763                                   | 141                    | \$30.91                     | 136                                |

## Appendix B: Program Summary Table, Sorted by 2020 Completions

### Program Completions

| CIP Code | Program  | 2016  | 2017  | 2018  | 2019  | 2020  |
|----------|--|-------|-------|-------|-------|-------|
| 24.0101  | Liberal Arts and Sciences/Liberal Studies  | 1,105 | 1,208 | 1,121 | 1,243 | 1,186 |
| 52.0201  | Business Administration and Management, General  | 1,006 | 1,007 | 1,028 | 993   | 918   |
| 24.0102  | General Studies  | 699   | 730   | 637   | 652   | 695   |
| 43.0104  | Criminal Justice/Safety Studies  | 467   | 475   | 510   | 484   | 473   |
| 52.0101  | Business/Commerce, General   | 263   | 297   | 303   | 293   | 305   |
| 52.1401  | Marketing/Marketing Management, General  | 171   | 234   | 224   | 288   | 298   |
| 11.0901  | Computer Systems Networking and Telecommunications   | 272   | 106   | 180   | 171   | 226   |
| 47.0201  | Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician | 224   | 175   | 227   | 214   | 190   |
| 11.1005  | Information Technology Project Management  | 1     | 0     | 78    | 94    | 174   |
| 14.0901  | Computer Engineering, General  | 82    | 108   | 171   | 152   | 165   |
| 11.0701  | Computer Science   | 104   | 95    | 113   | 119   | 161   |
| 45.0601  | Economics, General   | 49    | 63    | 60    | 136   | 147   |
| 11.0101  | Computer and Information Sciences, General   | 115   | 110   | 125   | 144   | 133   |
| 09.0102  | Mass Communication/Media Studies   | 93    | 110   | 121   | 104   | 127   |
| 11.1003  | Computer and Information Systems Security/Auditing/Information Assurance                   | 63    | 48    | 113   | 98    | 105   |
| 27.0101  | Mathematics, General   | 70    | 80    | 87    | 85    | 105   |
| 52.1101  | International Business/Trade/Commerce  | 86    | 75    | 93    | 67    | 88    |
| 15.0613  | Manufacturing Engineering Technology/Technician  | 27    | 30    | 25    | 42    | 62    |
| 30.9999  | Multi-/Interdisciplinary Studies, Other  | 58    | 59    | 64    | 53    | 60    |
| 40.0601  | Geology/Earth Science, General   | 53    | 56    | 52    | 48    | 59    |
| 50.0409  | Graphic Design   | 55    | 63    | 79    | 69    | 59    |
| 03.0104  | Environmental Science  | 28    | 48    | 52    | 58    | 55    |

## Program Completions

| <b>CIP Code</b> | <b>Program</b>  | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| 43.0403         | Cyber/Computer Forensics and Counterterrorism                                 | 10          | 5           | 24          | 37          | 50          |
| 11.1099         | Computer/Information Technology Services Administration and Management, Other | 25          | 15          | 30          | 29          | 49          |
| 11.0301         | Data Processing and Data Processing Technology/Technician                     | 4           | 7           | 19          | 34          | 39          |
| 30.0000         | Multi-/Interdisciplinary Studies, General                                     | 41          | 39          | 36          | 28          | 33          |
| 43.0103         | Criminal Justice/Law Enforcement Administration                               | 71          | 62          | 78          | 44          | 29          |
| 52.0701         | Entrepreneurship/Entrepreneurial Studies                                      | 39          | 28          | 38          | 28          | 28          |
| 45.0701         | Geography   | 27          | 13          | 17          | 22          | 27          |
| 11.0201         | Computer Programming/Programmer, General                                      | 3           | 3           | 6           | 27          | 24          |
| 11.1002         | System, Networking, and LAN/WAN Management/Manager                            | 142         | 85          | 35          | 22          | 22          |
| 04.0902         | Architectural and Building Sciences/Technology                                | 0           | 0           | 15          | 22          | 19          |
| 09.0100         | Communication, General  | 0           | 0           | 0           | 6           | 17          |
| 50.0102         | Digital Arts  | 0           | 0           | 0           | 5           | 17          |
| 52.1801         | Sales, Distribution, and Marketing Operations, General                        | 6           | 8           | 13          | 9           | 17          |
| 11.0202         | Computer Programming, Specific Applications                                   | 10          | 12          | 20          | 11          | 16          |
| 11.1001         | Network and System Administration/Administrator                               | 28          | 20          | 23          | 31          | 16          |
| 51.0706         | Health Information/Medical Records Administration/Administrator               | 22          | 30          | 28          | 19          | 16          |
| 52.0203         | Logistics, Materials, and Supply Chain Management                             | 2           | 8           | 6           | 13          | 15          |
| 52.0211         | Project Management  | 0           | 0           | 0           | 6           | 15          |
| 51.0707         | Health Information/Medical Records Technology/Technician                      | 30          | 13          | 21          | 14          | 12          |
| 11.0103         | Information Technology  | 54          | 63          | 36          | 3           | 11          |



## Program Completions

| <b>CIP Code</b> | <b>Program</b>   | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| 46.0415         | Building Construction Technology/Technician                          | 5           | 4           | 18          | 20          | 10          |
| 50.0401         | Design and Visual Communications, General                            | 3           | 7           | 3           | 6           | 9           |
| 52.1201         | Management Information Systems, General                              | 9           | 9           | 10          | 5           | 8           |
| 03.0101         | Natural Resources/Conservation, General                              | 3           | 5           | 3           | 5           | 7           |
| 11.1004         | Web/Multimedia Management and Webmaster                              | 0           | 4           | 4           | 8           | 7           |
| 15.1201         | Computer Engineering Technology/Technician                           | 0           | 0           | 2           | 5           | 7           |
| 03.0201         | Environmental/Natural Resources Management and Policy, General       | 5           | 3           | 6           | 3           | 5           |
| 43.0302         | Crisis/Emergency/Disaster Management                                 | 4           | 3           | 1           | 3           | 5           |
| 52.0299         | Business Administration, Management and Operations, Other            | 35          | 25          | 18          | 14          | 5           |
| 52.9999         | Business, Management, Marketing, and Related Support Services, Other | 34          | 23          | 17          | 12          | 5           |
| 05.0103         | Asian Studies/Civilization   | 3           | 3           | 5           | 8           | 4           |
| 11.0501         | Computer Systems Analysis/Analyst                                    | 7           | 8           | 3           | 4           | 4           |
| 11.0802         | Data Modeling/Warehousing and Database Administration                | 2           | 1           | 1           | 6           | 4           |
| 11.0899         | Computer Software and Media Applications, Other                      | 0           | 0           | 0           | 12          | 4           |
| 15.1703         | Solar Energy Technology/Technician                                   | 10          | 4           | 4           | 3           | 4           |
| 51.2211         | Health Services Administration                                       | 0           | 0           | 0           | 0           | 4           |
| 11.0803         | Computer Graphics  | 3           | 0           | 2           | 1           | 3           |
| 52.0407         | Business/Office Automation/Technology/Data Entry                     | 4           | 5           | 0           | 1           | 3           |
| 52.0799         | Entrepreneurial and Small Business Operations, Other                 | 3           | 2           | 1           | 0           | 3           |

## Program Completions

| <b>CIP Code</b> | <b>Program</b>   | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|-----------------|--|-------------|-------------|-------------|-------------|-------------|
| 24.0199         | Liberal Arts and Sciences, General Studies and Humanities, Other       | 5           | 6           | 6           | 1           | 2           |
| 30.2001         | International/Globalization Studies                                    | 4           | 3           | 4           | 2           | 2           |
| 43.0109         | Security and Loss Prevention Services                                  | 0           | 0           | 8           | 9           | 2           |
| 52.0305         | Accounting and Business/Management                                     | 17          | 8           | 2           | 0           | 1           |
| 52.1299         | Management Information Systems and Services, Other                     | 2           | 2           | 5           | 2           | 1           |
| 03.0103         | Environmental Studies  | 9           | 15          | 5           | 1           | 0           |
| 05.0107         | Latin American Studies   | 1           | 2           | 0           | 1           | 0           |
| 05.0125         | German Studies   | 0           | 0           | 0           | 0           | 0           |
| 05.0199         | Area Studies, Other  | 0           | 0           | 0           | 0           | 0           |
| 09.0903         | Advertising  | 0           | 0           | 0           | 0           | 0           |
| 10.0301         | Graphic Communications, General  | 0           | 0           | 0           | 0           | 0           |
| 10.0304         | Animation, Interactive Technology, Video Graphics, and Special Effects | 5           | 10          | 2           | 2           | 0           |
| 11.0199         | Computer and Information Sciences, Other                               | 24          | 20          | 0           | 0           | 0           |
| 11.0401         | Information Science/Studies  | 0           | 1           | 0           | 0           | 0           |
| 11.0601         | Data Entry/Microcomputer Applications, General                         | 3           | 1           | 0           | 2           | 0           |
| 11.0801         | Web Page, Digital/Multimedia and Information Resources Design          | 12          | 5           | 8           | 1           | 0           |
| 11.1006         | Computer Support Specialist  | 0           | 0           | 0           | 0           | 0           |
| 11.9999         | Computer and Information Sciences and Support Services, Other          | 0           | 0           | 0           | 0           | 0           |
| 15.0305         | Telecommunications Technology/Technician                               | 0           | 2           | 0           | 2           | 0           |
| 15.0599         | Environmental Control Technologies/Technicians, Other                  | 10          | 17          | 3           | 2           | 0           |

## Program Completions

| <b>CIP Code</b> | <b>Program</b>  | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> |
|-----------------|---|-------------|-------------|-------------|-------------|-------------|
| 15.1202         | Computer/Computer Systems Technology/Technician   | 0           | 0           | 0           | 0           | 0           |
| 15.1701         | Energy Systems Technology/Technician  | 2           | 2           | 1           | 0           | 0           |
| 27.0301         | Applied Mathematics, General  | 0           | 0           | 0           | 0           | 0           |
| 27.0501         | Statistics, General   | 0           | 0           | 0           | 0           | 0           |
| 30.0601         | Systems Science and Theory  | 0           | 0           | 0           | 0           | 0           |
| 30.1601         | Accounting and Computer Science   | 0           | 0           | 0           | 0           | 0           |
| 43.0112         | Securities Services Administration/Management   | 32          | 11          | 0           | 0           | 0           |
| 43.9999         | Homeland Security, Law Enforcement, Firefighting and Related Protective Services, Other | 0           | 0           | 0           | 0           | 0           |
| 45.0602         | Applied Economics   | 3           | 2           | 4           | 0           | 0           |
| 45.0702         | Geographic Information Science and Cartography  | 0           | 0           | 0           | 0           | 0           |
| 50.0411         | Game and Interactive Media Design   | 15          | 24          | 11          | 12          | 0           |
| 50.0499         | Design and Applied Arts, Other  | 0           | 0           | 0           | 0           | 0           |
| 52.0205         | Operations Management and Supervision   | 1           | 0           | 2           | 2           | 0           |
| 52.0206         | Non-Profit/Public/Organizational Management   | 1           | 1           | 2           | 2           | 0           |
| 52.0208         | E-Commerce/Electronic Commerce  | 0           | 0           | 0           | 0           | 0           |
| 52.0399         | Accounting and Related Services, Other  | 6           | 1           | 0           | 0           | 0           |
| 52.0703         | Small Business Administration/Management  | 7           | 8           | 2           | 1           | 0           |
| 52.1902         | Fashion Merchandising   | 11          | 11          | 7           | 5           | 0           |