

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>00-0000</b>	<b>Total, All Occupations</b>	<b>1</b>	<b>1,387,750</b>	<b>1,462,770</b>	<b>75,021</b>	<b>5.4%</b>	<b>37,780</b>	<b>32,890</b>	<b>70,660</b>			
<b>11-0000</b>	<b>Management Occupations</b>	<b>2</b>	<b>74,310</b>	<b>78,130</b>	<b>3,823</b>	<b>5.1%</b>	<b>1,910</b>	<b>1,330</b>	<b>3,240</b>			
<b>11-1000</b>	<b>Top Executives</b>	<b>3</b>	<b>28,540</b>	<b>30,070</b>	<b>1,524</b>	<b>5.3%</b>	<b>760</b>	<b>470</b>	<b>1,230</b>			
11-1011	Chief Executives	4	3,050	3,170	117	3.8%	60	60	120	Bachelor's degree	5 years or more	None
11-1021	General and Operations Managers	4	24,900	26,290	1,391	5.6%	700	390	1,090	Bachelor's degree	Less than 5 years	None
11-1031	Legislators	4	600	610	16	2.7%	10	10	20	Bachelor's degree	Less than 5 years	None
<b>11-2000</b>	<b>Advertising, Marketing, Promotions, Public Relations, and Sales Managers</b>	<b>3</b>	<b>5,860</b>	<b>6,220</b>	<b>357</b>	<b>6.1%</b>	<b>180</b>	<b>120</b>	<b>290</b>			
11-2011	Advertising and Promotions Managers	4	200	220	20	10.1%	10	10	20	Bachelor's degree	Less than 5 years	None
11-2021	Marketing Managers	4	1,550	1,690	142	9.2%	70	30	100	Bachelor's degree	5 years or more	None
11-2022	Sales Managers	4	3,780	3,970	182	4.8%	90	70	170	Bachelor's degree	Less than 5 years	None
11-2031	Public Relations and Fundraising Managers	4	330	340	13	3.9%	10	10	10	Bachelor's degree	5 years or more	None
<b>11-3000</b>	<b>Operations Specialties Managers</b>	<b>3</b>	<b>13,410</b>	<b>14,160</b>	<b>746</b>	<b>5.6%</b>	<b>370</b>	<b>220</b>	<b>590</b>			
11-3011	Administrative Services Managers	4	1,710	1,790	75	4.4%	40	20	60	Bachelor's degree	Less than 5 years	None
11-3021	Computer and Information Systems Managers	4	2,990	3,260	271	9.1%	140	30	170	Bachelor's degree	5 years or more	None
11-3031	Financial Managers	4	4,100	4,320	218	5.3%	110	70	180	Bachelor's degree	5 years or more	None
11-3051	Industrial Production Managers	4	1,830	1,880	55	3.0%	30	30	60	Bachelor's degree	5 years or more	None
11-3061	Purchasing Managers	4	440	470	21	4.7%	10	10	20	Bachelor's degree	5 years or more	None
11-3071	Transportation, Storage, and Distribution Managers	4	1,030	1,060	34	3.3%	20	20	40	High school diploma or equivalent	5 years or more	None
11-3111	Compensation and Benefits Managers	4	140	140	3	2.2%	0	0	10	Bachelor's degree	5 years or more	None
11-3121	Human Resources Managers	4	910	960	51	5.6%	30	20	50	Bachelor's degree	5 years or more	None
11-3131	Training and Development Managers	4	260	280	18	6.8%	10	10	20	Bachelor's degree	5 years or more	None
<b>11-9000</b>	<b>Other Management Occupations</b>	<b>3</b>	<b>26,490</b>	<b>27,690</b>	<b>1,196</b>	<b>4.5%</b>	<b>600</b>	<b>530</b>	<b>1,120</b>			
11-9021	Construction Managers	4	3,280	3,490	213	6.5%	110	40	150	Bachelor's degree	None	Moderate-term on-the-job training
11-9031	Education Administrators, Preschool and Childcare Center/Program	4	250	270	11	4.3%	10	10	10	Bachelor's degree	Less than 5 years	None
11-9032	Education Administrators, Elementary and Secondary School	4	2,010	2,070	57	2.8%	30	50	80	Master's degree	5 years or more	None
11-9033	Education Administrators, Postsecondary	4	1,080	1,130	54	5.0%	30	30	60	Master's degree	5 years or more	None
11-9039	Education Administrators, All Other	4	180	190	7	3.8%	0	10	10	Bachelor's degree	Less than 5 years	None
11-9041	Architectural and Engineering Managers	4	1,360	1,410	52	3.8%	30	30	50	Bachelor's degree	5 years or more	None
11-9051	Food Service Managers	4	1,580	1,690	108	6.8%	50	30	80	High school diploma or equivalent	Less than 5 years	None
11-9081	Lodging Managers	4	460	490	22	4.8%	10	10	30	High school diploma or equivalent	Less than 5 years	None
11-9111	Medical and Health Services Managers	4	2,800	2,950	150	5.4%	80	60	140	Bachelor's degree	None	None
11-9121	Natural Sciences Managers	4	460	470	11	2.4%	10	10	20	Bachelor's degree	5 years or more	None
11-9131	Postmasters and Mail Superintendents	4	150	160	7	4.7%	0	0	10	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
11-9141	Property, Real Estate, and Community Association Managers	4	3,080	3,280	201	6.5%	100	70	170	High school diploma or equivalent	Less than 5 years	None
11-9151	Social and Community Service Managers	4	980	1,010	36	3.7%	20	20	40	Bachelor's degree	5 years or more	None
11-9161	Emergency Management Directors	4	200	210	6	3.0%	0	0	10	Bachelor's degree	5 years or more	None
11-9199	Managers, All Other	4	4,760	5,000	233	4.9%	120	100	220	High school diploma or equivalent	Less than 5 years	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>13-0000</b>	<b>Business and Financial Operations Occupations</b>	<b>2</b>	<b>68,940</b>	<b>73,360</b>	<b>4,412</b>	<b>6.4%</b>	<b>2,210</b>	<b>1,310</b>	<b>3,520</b>			
<b>13-1000</b>	<b>Business Operations Specialists</b>	<b>3</b>	<b>40,630</b>	<b>43,360</b>	<b>2,727</b>	<b>6.7%</b>	<b>1,370</b>	<b>630</b>	<b>2,000</b>			
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	4	60	60	4	7.1%	0	0	0	Bachelor's degree	Less than 5 years	None
13-1021	Buyers and Purchasing Agents, Farm Products	4	210	210	4	1.9%	0	0	10	High school diploma or equivalent	None	Long-term on-the-job training
13-1022	Wholesale and Retail Buyers, Except Farm Products	4	1,210	1,280	71	5.9%	40	30	70	High school diploma or equivalent	None	Long-term on-the-job training
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	4	2,330	2,400	72	3.1%	40	40	80	High school diploma or equivalent	None	Long-term on-the-job training
13-1031	Claims Adjusters, Examiners, and Investigators	4	1,710	1,800	95	5.6%	50	40	90	High school diploma or equivalent	None	Long-term on-the-job training
13-1032	Insurance Appraisers, Auto Damage	4	60	60	2	3.5%	0	0	0	Postsecondary non-degree award	None	Moderate-term on-the-job training
13-1041	Compliance Officers	4	2,120	2,230	107	5.1%	50	30	80	Bachelor's degree	None	Moderate-term on-the-job training
13-1051	Cost Estimators	4	2,420	2,620	198	8.2%	100	70	170	Bachelor's degree	None	None
13-1071	Human Resources Specialists	4	4,670	4,900	233	5.0%	120	80	190	Bachelor's degree	None	None
13-1075	Labor Relations Specialists	4	380	370	-5	-1.3%	0	10	10	Bachelor's degree	None	None
13-1081	Logisticians	4	1,680	1,790	110	6.6%	60	20	70	Bachelor's degree	None	None
13-1111	Management Analysts	4	6,260	6,900	642	10.3%	320	80	410	Bachelor's degree	Less than 5 years	None
13-1121	Meeting, Convention, and Event Planners	4	920	1,010	84	9.1%	40	10	50	Bachelor's degree	None	None
13-1131	Fundraisers	4	940	960	16	1.7%	10	20	30	Bachelor's degree	None	None
13-1141	Compensation, Benefits, and Job Analysis Specialists	4	490	510	23	4.7%	10	10	20	Bachelor's degree	None	None
13-1151	Training and Development Specialists	4	3,080	3,280	204	6.6%	100	50	150	Bachelor's degree	Less than 5 years	None
13-1161	Market Research Analysts and Marketing Specialists	4	5,050	5,690	638	12.6%	320	60	380	Bachelor's degree	None	None
13-1199	Business Operations Specialists, All Other	4	7,070	7,300	229	3.2%	110	90	200	High school diploma or equivalent	None	None
<b>13-2000</b>	<b>Financial Specialists</b>	<b>3</b>	<b>28,310</b>	<b>30,000</b>	<b>1,685</b>	<b>6.0%</b>	<b>840</b>	<b>680</b>	<b>1,520</b>			
13-2011	Accountants and Auditors	4	11,810	12,600	790	6.7%	400	340	740	Bachelor's degree	None	None
13-2021	Appraisers and Assessors of Real Estate	4	900	950	44	4.9%	20	10	30	Bachelor's degree	None	Long-term on-the-job training
13-2031	Budget Analysts	4	390	400	13	3.3%	10	10	20	Bachelor's degree	None	None
13-2041	Credit Analysts	4	1,030	1,090	56	5.4%	30	30	60	Bachelor's degree	None	None
13-2051	Financial Analysts	4	2,040	2,160	118	5.8%	60	50	110	Bachelor's degree	None	None
13-2052	Personal Financial Advisors	4	1,670	1,820	153	9.2%	80	20	100	Bachelor's degree	None	None
13-2053	Insurance Underwriters	4	300	310	12	4.0%	10	10	10	Bachelor's degree	None	Moderate-term on-the-job training
13-2061	Financial Examiners	4	430	460	28	6.5%	10	10	20	Bachelor's degree	None	Moderate-term on-the-job training
13-2071	Credit Counselors	4	660	740	81	12.4%	40	10	50	Bachelor's degree	None	Moderate-term on-the-job training
13-2072	Loan Officers	4	5,070	5,350	280	5.5%	140	90	230	Bachelor's degree	None	Moderate-term on-the-job training
13-2081	Tax Examiners and Collectors, and Revenue Agents	4	2,010	2,000	-2	-0.1%	0	70	70	Bachelor's degree	None	Moderate-term on-the-job training
13-2082	Tax Preparers	4	880	960	77	8.7%	40	20	50	High school diploma or equivalent	None	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	4	1,140	1,180	35	3.1%	20	10	30	Bachelor's degree	None	Moderate-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>15-0000</b>	<b>Computer and Mathematical Occupations</b>	<b>2</b>	<b>39,950</b>	<b>43,730</b>	<b>3,781</b>	<b>9.5%</b>	<b>1,890</b>	<b>590</b>	<b>2,480</b>			
<b>15-1100</b>	<b>Computer Occupations</b>	<b>3</b>	<b>38,940</b>	<b>42,650</b>	<b>3,707</b>	<b>9.5%</b>	<b>1,850</b>	<b>570</b>	<b>2,430</b>			
15-1111	Computer and Information Research Scientists	4	610	640	39	6.5%	20	10	30	Doctoral or professional degree	None	None
15-1121	Computer Systems Analysts	4	3,690	4,030	336	9.1%	170	50	220	Bachelor's degree	None	None
15-1122	Information Security Analysts	4	650	730	80	12.4%	40	10	50	Bachelor's degree	Less than 5 years	None
15-1131	Computer Programmers	4	5,580	6,090	504	9.0%	250	150	400	Bachelor's degree	None	None
15-1132	Software Developers, Applications	4	7,190	8,070	882	12.3%	440	80	520	Bachelor's degree	None	None
15-1133	Software Developers, Systems Software	4	3,480	3,880	403	11.6%	200	40	240	Bachelor's degree	None	None
15-1134	Web Developers	4	2,500	2,770	270	10.8%	140	30	170	Associate's degree	None	None
15-1141	Database Administrators	4	1,050	1,130	74	7.0%	40	10	50	Bachelor's degree	Less than 5 years	None
15-1142	Network and Computer Systems Administrators	4	3,510	3,750	237	6.8%	120	50	170	Bachelor's degree	None	None
15-1143	Computer Network Architects	4	600	660	57	9.4%	30	10	40	Bachelor's degree	5 years or more	None
15-1151	Computer User Support Specialists	4	6,620	7,260	646	9.8%	320	90	410	Some college, no degree	None	Moderate-term on-the-job training
15-1152	Computer Network Support Specialists	4	1,610	1,700	92	5.7%	50	20	70	Associate's degree	None	None
15-1199	Computer Occupations, All Other	4	1,860	1,950	87	4.7%	40	30	70	Bachelor's degree	None	None
<b>15-2000</b>	<b>Mathematical Science Occupations</b>	<b>3</b>	<b>1,010</b>	<b>1,090</b>	<b>74</b>	<b>7.3%</b>	<b>40</b>	<b>20</b>	<b>60</b>			
15-2011	Actuaries	4	160	160	6	3.9%	0	0	10	Bachelor's degree	None	Long-term on-the-job training
15-2031	Operations Research Analysts	4	660	720	55	8.3%	30	10	40	Bachelor's degree	None	None
15-2041	Statisticians	4	190	200	13	7.0%	10	10	10	Master's degree	None	None
<b>17-0000</b>	<b>Architecture and Engineering Occupations</b>	<b>2</b>	<b>26,720</b>	<b>27,790</b>	<b>1,074</b>	<b>4.0%</b>	<b>540</b>	<b>590</b>	<b>1,140</b>			
<b>17-1000</b>	<b>Architects, Surveyors, and Cartographers</b>	<b>3</b>	<b>1,650</b>	<b>1,720</b>	<b>62</b>	<b>3.8%</b>	<b>30</b>	<b>30</b>	<b>60</b>			
17-1011	Architects, Except Landscape and Naval	4	800	840	35	4.4%	20	20	40	Bachelor's degree	None	Internship/residency
17-1012	Landscape Architects	4	160	170	8	4.9%	0	0	10	Bachelor's degree	None	Internship/residency
17-1021	Cartographers and Photogrammetrists	4	220	230	9	4.1%	0	0	10	Bachelor's degree	None	None
17-1022	Surveyors	4	470	480	10	2.1%	10	10	10	Bachelor's degree	Less than 5 years	None
<b>17-2000</b>	<b>Engineers</b>	<b>3</b>	<b>16,900</b>	<b>17,670</b>	<b>773</b>	<b>4.6%</b>	<b>390</b>	<b>420</b>	<b>810</b>			
17-2011	Aerospace Engineers	4	930	1,030	103	11.1%	50	20	70	Bachelor's degree	None	None
17-2031	Biomedical Engineers	4	460	520	54	11.7%	30	10	40	Bachelor's degree	None	None
17-2041	Chemical Engineers	4	270	270	4	1.5%	0	10	10	Bachelor's degree	None	None
17-2051	Civil Engineers	4	3,180	3,330	146	4.6%	70	70	150	Bachelor's degree	None	None
17-2071	Electrical Engineers	4	1,920	1,990	69	3.6%	30	40	70	Bachelor's degree	None	None
17-2072	Electronics Engineers, Except Computer	4	1,790	1,850	59	3.3%	30	40	70	Bachelor's degree	None	None
17-2081	Environmental Engineers	4	480	500	23	4.8%	10	10	20	Bachelor's degree	None	None
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	4	240	250	15	6.3%	10	10	10	Bachelor's degree	None	None
17-2112	Industrial Engineers	4	1,860	1,960	99	5.3%	50	50	100	Bachelor's degree	None	None
17-2131	Materials Engineers	4	420	430	15	3.6%	10	10	20	Bachelor's degree	None	None
17-2141	Mechanical Engineers	4	3,140	3,290	149	4.8%	70	110	180	Bachelor's degree	None	None
17-2171	Petroleum Engineers	4	240	230	-3	-1.3%	0	10	10	Bachelor's degree	None	None
17-2199	Engineers, All Other	4	480	490	16	3.4%	10	10	20	Bachelor's degree	None	None
<b>17-3000</b>	<b>Drafters, Engineering Technicians, and Mapping Technicians</b>	<b>3</b>	<b>8,170</b>	<b>8,410</b>	<b>239</b>	<b>2.9%</b>	<b>120</b>	<b>140</b>	<b>260</b>			
17-3011	Architectural and Civil Drafters	4	2,000	2,020	18	0.9%	10	30	40	Associate's degree	None	None
17-3012	Electrical and Electronics Drafters	4	290	300	9	3.2%	0	0	10	Associate's degree	None	None
17-3013	Mechanical Drafters	4	680	700	17	2.5%	10	10	20	Associate's degree	None	None
17-3019	Drafters, All Other	4	160	170	11	7.0%	10	0	10	Associate's degree	None	None
17-3022	Civil Engineering Technicians	4	580	590	13	2.3%	10	10	20	Associate's degree	None	None
17-3023	Electrical and Electronics Engineering Technicians	4	1,790	1,840	53	3.0%	30	40	60	Associate's degree	None	None
17-3025	Environmental Engineering Technicians	4	310	330	28	9.2%	10	10	20	Associate's degree	None	None
17-3026	Industrial Engineering Technicians	4	700	730	32	4.6%	20	10	30	Associate's degree	None	None
17-3027	Mechanical Engineering Technicians	4	650	680	26	4.0%	10	10	30	Associate's degree	None	None
17-3029	Engineering Technicians, Except Drafters, All Other	4	390	390	8	2.1%	0	10	10	Associate's degree	None	None
17-3031	Surveying and Mapping Technicians	4	390	400	13	3.3%	10	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>19-0000</b>	<b>Life, Physical, and Social Science Occupations</b>	<b>2</b>	<b>11,300</b>	<b>11,760</b>	<b>464</b>	<b>4.1%</b>	<b>230</b>	<b>340</b>	<b>570</b>			
<b>19-1000</b>	<b>Life Scientists</b>	<b>3</b>	<b>2,000</b>	<b>2,070</b>	<b>64</b>	<b>3.2%</b>	<b>30</b>	<b>50</b>	<b>90</b>			
19-1012	Food Scientists and Technologists	4	90	90	7	8.2%	0	0	10	Bachelor's degree	None	None
19-1013	Soil and Plant Scientists	4	80	90	2	2.4%	0	0	0	Bachelor's degree	None	None
19-1021	Biochemists and Biophysicists	4	220	220	8	3.7%	0	10	10	Doctoral or professional degree	None	None
19-1022	Microbiologists	4	160	170	8	5.0%	0	0	10	Bachelor's degree	None	None
19-1023	Zoologists and Wildlife Biologists	4	330	340	10	3.0%	10	10	20	Bachelor's degree	None	None
19-1029	Biological Scientists, All Other	4	270	270	5	1.9%	0	10	10	Bachelor's degree	None	None
19-1031	Conservation Scientists	4	340	340	3	0.9%	0	10	10	Bachelor's degree	None	None
19-1032	Foresters	4	80	80	1	1.3%	0	0	0	Bachelor's degree	None	None
19-1042	Medical Scientists, Except Epidemiologists	4	330	350	16	4.8%	10	10	10	Doctoral or professional degree	None	None
<b>19-2000</b>	<b>Physical Scientists</b>	<b>3</b>	<b>2,250</b>	<b>2,350</b>	<b>95</b>	<b>4.2%</b>	<b>50</b>	<b>60</b>	<b>110</b>			
19-2021	Atmospheric and Space Scientists	4	120	130	10	8.5%	10	0	10	Bachelor's degree	None	None
19-2031	Chemists	4	690	720	25	3.6%	10	20	30	Bachelor's degree	None	None
19-2032	Materials Scientists	4	110	120	4	3.5%	0	0	10	Bachelor's degree	None	None
19-2041	Environmental Scientists and Specialists, Including Health	4	700	750	46	6.5%	20	20	40	Bachelor's degree	None	None
19-2042	Geoscientists, Except Hydrologists and Geographers	4	360	370	5	1.4%	0	10	10	Bachelor's degree	None	None
19-2043	Hydrologists	4	60	60	3	5.1%	0	0	0	Master's degree	None	None
19-2099	Physical Scientists, All Other	4	170	170	2	1.2%	0	0	0	Bachelor's degree	None	None
<b>19-3000</b>	<b>Social Scientists and Related Workers</b>	<b>3</b>	<b>2,800</b>	<b>2,940</b>	<b>137</b>	<b>4.9%</b>	<b>70</b>	<b>80</b>	<b>140</b>			
19-3011	Economists	4	50	50	-1	-2.2%	0	0	0	Master's degree	None	None
19-3022	Survey Researchers	4	210	230	18	8.6%	10	0	10	Master's degree	None	None
19-3031	Clinical, Counseling, and School Psychologists	4	1,510	1,570	60	4.0%	30	40	70	Doctoral or professional degree	None	Internship/residency
19-3039	Psychologists, All Other	4	80	90	7	8.4%	0	0	10	Master's degree	None	Internship/residency
19-3051	Urban and Regional Planners	4	500	520	15	3.0%	10	20	30	Master's degree	None	None
19-3091	Anthropologists and Archeologists	4	170	190	11	6.3%	10	0	10	Master's degree	None	None
19-3092	Geographers	4	70	90	17	25.0%	10	0	10	Bachelor's degree	None	None
19-3093	Historians	4	100	110	7	7.1%	0	0	10	Master's degree	None	None
19-3099	Social Scientists and Related Workers, All Other	4	110	110	3	2.9%	0	0	0	Bachelor's degree	None	None
<b>19-4000</b>	<b>Life, Physical, and Social Science Technicians</b>	<b>3</b>	<b>4,240</b>	<b>4,410</b>	<b>168</b>	<b>4.0%</b>	<b>80</b>	<b>150</b>	<b>230</b>			
19-4021	Biological Technicians	4	620	650	36	5.8%	20	20	40	Bachelor's degree	None	None
19-4031	Chemical Technicians	4	1,110	1,170	59	5.3%	30	30	60	Associate's degree	None	Moderate-term on-the-job training
19-4041	Geological and Petroleum Technicians	4	160	160	-1	-0.6%	0	10	10	Associate's degree	None	Moderate-term on-the-job training
19-4061	Social Science Research Assistants	4	170	180	8	4.8%	0	10	10	Associate's degree	None	None
19-4091	Environmental Science and Protection Technicians, Including Health	4	420	450	30	7.1%	20	20	30	Associate's degree	None	None
19-4092	Forensic Science Technicians	4	180	180	6	3.4%	0	10	10	Bachelor's degree	None	Moderate-term on-the-job training
19-4093	Forest and Conservation Technicians	4	1,200	1,210	13	1.1%	10	50	50	Associate's degree	None	None
19-4099	Life, Physical, and Social Science Technicians, All Other	4	270	280	9	3.4%	0	10	20	Associate's degree	None	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>21-0000</b>	<b>Community and Social Service Occupations</b>	<b>2</b>	<b>20,590</b>	<b>21,450</b>	<b>856</b>	<b>4.2%</b>	<b>430</b>	<b>450</b>	<b>880</b>			
<b>21-1000</b>	<b>Counselors, Social Workers, and Other Community and Social Service Specialists</b>	<b>3</b>	<b>19,680</b>	<b>20,530</b>	<b>852</b>	<b>4.3%</b>	<b>430</b>	<b>430</b>	<b>860</b>			
21-1011	Substance Abuse and Behavioral Disorder Counselors	4	410	440	28	6.8%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
21-1012	Educational, Guidance, School, and Vocational Counselors	4	3,050	3,170	118	3.9%	60	60	120	Master's degree	None	None
21-1013	Marriage and Family Therapists	4	260	280	13	5.0%	10	10	10	Master's degree	None	Internship/residency
21-1014	Mental Health Counselors	4	1,170	1,250	77	6.6%	40	20	60	Master's degree	None	Internship/residency
21-1015	Rehabilitation Counselors	4	1,160	1,210	46	4.0%	20	20	50	Master's degree	None	None
21-1019	Counselors, All Other	4	460	460	5	1.1%	0	10	10	Master's degree	None	None
21-1021	Child, Family, and School Social Workers	4	1,330	1,400	70	5.3%	40	30	60	Bachelor's degree	None	None
21-1022	Healthcare Social Workers	4	1,190	1,260	70	5.9%	40	20	60	Master's degree	None	None
21-1023	Mental Health and Substance Abuse Social Workers	4	1,680	1,770	86	5.1%	40	30	80	Bachelor's degree	None	None
21-1029	Social Workers, All Other	4	490	500	5	1.0%	0	10	10	Bachelor's degree	None	None
21-1091	Health Educators	4	360	380	16	4.4%	10	10	20	Bachelor's degree	None	None
21-1092	Probation Officers and Correctional Treatment Specialists	4	500	500	-2	-0.4%	0	10	10	Bachelor's degree	None	Short-term on-the-job training
21-1093	Social and Human Service Assistants	4	6,970	7,260	293	4.2%	150	170	310	High school diploma or equivalent	None	Short-term on-the-job training
21-1094	Community Health Workers	4	540	560	24	4.5%	10	10	30	High school diploma or equivalent	None	Short-term on-the-job training
21-1099	Community and Social Service Specialists, All Other	4	100	100	3	3.2%	0	0	0	Master's degree	None	None
<b>21-2000</b>	<b>Religious Workers</b>	<b>3</b>	<b>920</b>	<b>920</b>	<b>4</b>	<b>0.4%</b>	<b>0</b>	<b>20</b>	<b>20</b>			
21-2011	Clergy	4	480	490	7	1.5%	0	10	10	Bachelor's degree	None	Moderate-term on-the-job training
<b>23-0000</b>	<b>Legal Occupations</b>	<b>2</b>	<b>9,280</b>	<b>9,760</b>	<b>479</b>	<b>5.2%</b>	<b>240</b>	<b>140</b>	<b>380</b>			
<b>23-1000</b>	<b>Lawyers, Judges, and Related Workers</b>	<b>3</b>	<b>6,220</b>	<b>6,520</b>	<b>302</b>	<b>4.9%</b>	<b>150</b>	<b>90</b>	<b>240</b>			
23-1011	Lawyers	4	5,560	5,860	294	5.3%	150	80	230	Doctoral or professional degree	None	None
23-1012	Judicial Law Clerks	4	340	340	2	0.6%	0	10	10	Doctoral or professional degree	None	None
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	4	150	150	1	0.7%	0	0	0	Doctoral or professional degree	Less than 5 years	Short-term on-the-job training
23-1023	Judges, Magistrate Judges, and Magistrates	4	140	140	3	2.2%	0	0	0	Doctoral or professional degree	5 years or more	Short-term on-the-job training
<b>23-2000</b>	<b>Legal Support Workers</b>	<b>3</b>	<b>3,060</b>	<b>3,240</b>	<b>177</b>	<b>5.8%</b>	<b>90</b>	<b>50</b>	<b>130</b>			
23-2011	Paralegals and Legal Assistants	4	2,070	2,190	127	6.2%	60	30	90	Associate's degree	None	None
23-2091	Court Reporters	4	80	90	6	7.1%	0	0	0	Postsecondary non-degree award	None	Short-term on-the-job training
23-2093	Title Examiners, Abstractors, and Searchers	4	740	790	42	5.7%	20	10	30	High school diploma or equivalent	None	Short-term on-the-job training
23-2099	Legal Support Workers, All Other	4	170	170	2	1.2%	0	0	0	High school diploma or equivalent	None	Short-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>25-0000</b>	<b>Education, Training, and Library Occupations</b>	<b>2</b>	<b>86,460</b>	<b>89,800</b>	<b>3,338</b>	<b>3.9%</b>	<b>1,670</b>	<b>1,680</b>	<b>3,350</b>			
<b>25-1000</b>	<b>Postsecondary Teachers</b>	<b>3</b>	<b>17,550</b>	<b>18,390</b>	<b>839</b>	<b>4.8%</b>	<b>420</b>	<b>240</b>	<b>660</b>			
25-1011	Business Teachers, Postsecondary	4	880	920	38	4.3%	20	10	30	Doctoral or professional degree	None	None
25-1021	Computer Science Teachers, Postsecondary	4	650	680	27	4.1%	10	10	20	Doctoral or professional degree	None	None
25-1022	Mathematical Science Teachers, Postsecondary	4	510	530	20	3.9%	10	10	20	Doctoral or professional degree	None	None
25-1031	Architecture Teachers, Postsecondary	4	70	70	4	5.8%	0	0	0	Doctoral or professional degree	None	None
25-1032	Engineering Teachers, Postsecondary	4	440	450	19	4.4%	10	10	20	Doctoral or professional degree	None	None
25-1041	Agricultural Sciences Teachers, Postsecondary	4	90	90	3	3.4%	0	0	0	Doctoral or professional degree	None	None
25-1042	Biological Science Teachers, Postsecondary	4	650	690	35	5.4%	20	10	30	Doctoral or professional degree	None	None
25-1051	Atmospheric, Earth, Marine, and Space Sciences Teachers, Postsecondary	4	180	190	8	4.4%	0	0	10	Doctoral or professional degree	None	None
25-1054	Physics Teachers, Postsecondary	4	170	180	7	4.1%	0	0	10	Doctoral or professional degree	None	None
25-1062	Area, Ethnic, and Cultural Studies Teachers, Postsecondary	4	50	50	2	4.4%	0	0	0	Doctoral or professional degree	None	None
25-1063	Economics Teachers, Postsecondary	4	100	110	6	5.9%	0	0	10	Doctoral or professional degree	None	None
25-1064	Geography Teachers, Postsecondary	4	60	60	2	3.4%	0	0	0	Doctoral or professional degree	None	None
25-1065	Political Science Teachers, Postsecondary	4	160	170	7	4.4%	0	0	10	Doctoral or professional degree	None	None
25-1066	Psychology Teachers, Postsecondary	4	340	360	16	4.7%	10	0	10	Doctoral or professional degree	None	None
25-1067	Sociology Teachers, Postsecondary	4	180	190	8	4.4%	0	0	10	Doctoral or professional degree	None	None
25-1071	Health Specialties Teachers, Postsecondary	4	2,510	2,730	214	8.5%	110	30	140	Doctoral or professional degree	Less than 5 years	None
25-1072	Nursing Instructors and Teachers, Postsecondary	4	720	770	50	7.0%	30	10	40	Master's degree	Less than 5 years	None
25-1081	Education Teachers, Postsecondary	4	580	610	29	5.0%	10	10	20	Doctoral or professional degree	None	None
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	4	220	220	3	1.4%	0	0	10	Doctoral or professional degree	None	None
25-1121	Art, Drama, and Music Teachers, Postsecondary	4	1,160	1,210	55	4.8%	30	20	40	Master's degree	None	None
25-1122	Communications Teachers, Postsecondary	4	460	470	12	2.6%	10	10	10	Doctoral or professional degree	None	None
25-1124	Foreign Language and Literature Teachers, Postsecondary	4	320	340	15	4.7%	10	0	10	Doctoral or professional degree	None	None
25-1125	History Teachers, Postsecondary	4	210	220	11	5.3%	10	0	10	Doctoral or professional degree	None	None
25-1126	Philosophy and Religion Teachers, Postsecondary	4	350	360	10	2.9%	10	10	10	Doctoral or professional degree	None	None
25-1191	Graduate Teaching Assistants	4	610	640	27	4.4%	10	10	20	Bachelor's degree	None	None
25-1192	Home Economics Teachers, Postsecondary	4	210	220	8	3.9%	0	0	10	Master's degree	None	None
25-1193	Recreation and Fitness Studies Teachers, Postsecondary	4	420	440	19	4.5%	10	10	20	Doctoral or professional degree	None	None
25-1194	Vocational Education Teachers, Postsecondary	4	2,510	2,570	59	2.4%	30	30	60	Bachelor's degree	Less than 5 years	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>25-2000</b>	<b>Preschool, Primary, Secondary, and Special Education School Teachers</b>	<b>3</b>	<b>36,550</b>	<b>37,930</b>	<b>1,382</b>	<b>3.8%</b>	<b>690</b>	<b>830</b>	<b>1,530</b>			
25-2011	Preschool Teachers, Except Special Education	4	2,510	2,650	139	5.5%	70	70	140	Associate's degree	None	None
25-2012	Kindergarten Teachers, Except Special Education	4	1,310	1,370	59	4.5%	30	40	70	Bachelor's degree	None	Internship/residency
25-2021	Elementary School Teachers, Except Special Education	4	16,030	16,690	656	4.1%	330	350	670	Bachelor's degree	None	Internship/residency
25-2022	Middle School Teachers, Except Special and Career/Technical Education	4	5,020	5,220	204	4.1%	100	110	210	Bachelor's degree	None	Internship/residency
25-2023	Career/Technical Education Teachers, Middle School	4	80	80	2	2.5%	0	0	0	Bachelor's degree	Less than 5 years	Internship/residency
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	4	7,430	7,640	212	2.9%	110	200	310	Bachelor's degree	None	Internship/residency
25-2032	Career/Technical Education Teachers, Secondary School	4	500	510	13	2.6%	10	10	20	Bachelor's degree	Less than 5 years	Internship/residency
25-2052	Special Education Teachers, Kindergarten and Elementary School	4	2,110	2,170	58	2.8%	30	30	60	Bachelor's degree	None	Internship/residency
25-2053	Special Education Teachers, Middle School	4	560	570	14	2.5%	10	10	20	Bachelor's degree	None	Internship/residency
25-2054	Special Education Teachers, Secondary School	4	940	960	24	2.6%	10	20	30	Bachelor's degree	None	Internship/residency
<b>25-3000</b>	<b>Other Teachers and Instructors</b>	<b>3</b>	<b>14,820</b>	<b>15,410</b>	<b>597</b>	<b>4.0%</b>	<b>300</b>	<b>240</b>	<b>540</b>			
25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors	4	320	330	12	3.8%	10	10	10	Bachelor's degree	None	Internship/residency
25-3021	Self-Enrichment Education Teachers	4	3,800	4,050	254	6.7%	130	60	190	High school diploma or equivalent	Less than 5 years	None
25-3098	Substitute Teachers	4	5,970	6,130	161	2.7%	80	100	180	Bachelor's degree	None	Internship/residency
25-3099	Teachers and Instructors, All Other	4	4,730	4,900	170	3.6%	90	80	160	Bachelor's degree	None	Internship/residency
<b>25-4000</b>	<b>Librarians, Curators, and Archivists</b>	<b>3</b>	<b>1,820</b>	<b>1,870</b>	<b>59</b>	<b>3.3%</b>	<b>30</b>	<b>70</b>	<b>100</b>			
25-4011	Archivists	4	40	40	0	0.0%	0	0	0	Master's degree	None	None
25-4012	Curators	4	100	110	4	3.9%	0	0	0	Master's degree	None	None
25-4021	Librarians	4	860	880	26	3.0%	10	20	30	Master's degree	None	None
25-4031	Library Technicians	4	780	810	27	3.5%	10	50	60	Postsecondary non-degree award	None	None
<b>25-9000</b>	<b>Other Education, Training, and Library Occupations</b>	<b>3</b>	<b>15,730</b>	<b>16,190</b>	<b>461</b>	<b>2.9%</b>	<b>230</b>	<b>290</b>	<b>520</b>			
25-9011	Audio-Visual and Multimedia Collections Specialists	4	330	340	4	1.2%	0	0	0	Bachelor's degree	Less than 5 years	None
25-9021	Farm and Home Management Advisors	4	110	110	4	3.8%	0	0	0	Master's degree	None	None
25-9031	Instructional Coordinators	4	1,640	1,710	70	4.3%	40	10	40	Master's degree	5 years or more	None
25-9041	Teacher Assistants	4	13,290	13,660	376	2.8%	190	280	470	Some college, no degree	None	None
25-9099	Education, Training, and Library Workers, All Other	4	360	370	7	1.9%	0	0	10	Bachelor's degree	None	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>27-0000</b>	<b>Occupations</b>	<b>2</b>	<b>23,010</b>	<b>24,250</b>	<b>1,236</b>	<b>5.4%</b>	<b>620</b>	<b>510</b>	<b>1,130</b>			
<b>27-1000</b>	<b>Art and Design Workers</b>	<b>3</b>	<b>8,200</b>	<b>8,650</b>	<b>449</b>	<b>5.5%</b>	<b>220</b>	<b>210</b>	<b>430</b>			
27-1011	Art Directors	4	530	560	30	5.7%	20	10	30	Bachelor's degree	5 years or more	None
27-1012	Craft Artists	4	280	290	12	4.3%	10	10	10	High school diploma or equivalent	None	Long-term on-the-job training
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	4	590	610	28	4.8%	10	10	30	High school diploma or equivalent	None	Long-term on-the-job training
27-1014	Multimedia Artists and Animators	4	540	570	30	5.6%	20	10	30	Bachelor's degree	None	Moderate-term on-the-job training
27-1021	Commercial and Industrial Designers	4	450	470	17	3.8%	10	10	20	Bachelor's degree	None	None
27-1022	Fashion Designers	4	120	120	5	4.3%	0	0	10	Bachelor's degree	None	None
27-1023	Floral Designers	4	1,120	1,180	59	5.3%	30	30	60	High school diploma or equivalent	None	Moderate-term on-the-job training
27-1024	Graphic Designers	4	3,210	3,410	206	6.4%	100	80	190	Bachelor's degree	None	None
27-1025	Interior Designers	4	300	310	13	4.3%	10	10	10	Bachelor's degree	None	None
27-1026	Merchandise Displayers and Window Trimmers	4	790	820	35	4.4%	20	20	40	High school diploma or equivalent	None	Moderate-term on-the-job training
27-1027	Set and Exhibit Designers	4	120	130	8	6.8%	0	0	10	Bachelor's degree	None	None
<b>27-2000</b>	<b>Entertainers and Performers, Sports and Related Workers</b>	<b>3</b>	<b>4,960</b>	<b>5,200</b>	<b>238</b>	<b>4.8%</b>	<b>120</b>	<b>140</b>	<b>260</b>			
27-2011	Actors	4	330	350	18	5.5%	10	10	20	Some college, no degree	None	Long-term on-the-job training
27-2012	Producers and Directors	4	640	670	32	5.0%	20	20	40	Bachelor's degree	Less than 5 years	None
27-2021	Athletes and Sports Competitors	4	240	250	13	5.5%	10	10	10	High school diploma or equivalent	None	Long-term on-the-job training
27-2022	Coaches and Scouts	4	1,860	1,960	95	5.1%	50	60	100	Bachelor's degree	None	None
27-2023	Umpires, Referees, and Other Sports Officials	4	470	490	14	3.0%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
27-2031	Dancers	4	190	200	11	5.7%	10	10	10	High school diploma or equivalent	None	Long-term on-the-job training
27-2032	Choreographers	4	60	60	4	6.7%	0	0	0	High school diploma or equivalent	5 years or more	Long-term on-the-job training
27-2041	Music Directors and Composers	4	170	170	6	3.6%	0	0	10	Bachelor's degree	Less than 5 years	None
27-2042	Musicians and Singers	4	750	790	32	4.2%	20	20	40	High school diploma or equivalent	None	Long-term on-the-job training
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	4	250	260	13	5.3%	10	0	10	High school diploma or equivalent	None	None
<b>27-3000</b>	<b>Media and Communication Workers</b>	<b>3</b>	<b>6,650</b>	<b>7,030</b>	<b>380</b>	<b>5.7%</b>	<b>190</b>	<b>130</b>	<b>320</b>			
27-3011	Radio and Television Announcers	4	420	420	5	1.2%	0	10	10	Bachelor's degree	None	None
27-3021	Broadcast News Analysts	4	70	70	0	0.0%	0	0	0	Bachelor's degree	None	None
27-3022	Reporters and Correspondents	4	550	560	5	0.9%	0	20	20	Bachelor's degree	None	None
27-3031	Public Relations Specialists	4	2,060	2,180	114	5.5%	60	30	80	Bachelor's degree	None	None
27-3041	Editors	4	820	870	52	6.3%	30	20	50	Bachelor's degree	Less than 5 years	None
27-3042	Technical Writers	4	810	860	59	7.3%	30	20	50	Bachelor's degree	Less than 5 years	Short-term on-the-job training
27-3043	Writers and Authors	4	1,120	1,180	58	5.2%	30	20	50	Bachelor's degree	None	Moderate-term on-the-job training
27-3091	Interpreters and Translators	4	730	810	81	11.1%	40	10	50	Bachelor's degree	None	Short-term on-the-job training
<b>27-4000</b>	<b>Media and Communication Equipment Workers</b>	<b>3</b>	<b>3,210</b>	<b>3,370</b>	<b>169</b>	<b>5.3%</b>	<b>80</b>	<b>30</b>	<b>120</b>			
27-4011	Audio and Video Equipment Technicians	4	600	640	31	5.1%	20	10	30	Postsecondary non-degree award	None	Short-term on-the-job training
27-4012	Broadcast Technicians	4	210	220	3	1.4%	0	0	10	Associate's degree	None	Short-term on-the-job training
27-4014	Sound Engineering Technicians	4	140	150	9	6.5%	0	0	10	Postsecondary non-degree award	None	Short-term on-the-job training
27-4021	Photographers	4	1,250	1,330	74	5.9%	40	10	50	High school diploma or equivalent	None	Long-term on-the-job training
27-4031	Camera Operators, Television, Video, and Motion Picture	4	310	330	14	4.5%	10	0	10	Bachelor's degree	None	None
27-4032	Film and Video Editors	4	600	640	37	6.2%	20	0	20	Bachelor's degree	None	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>29-0000</b>	<b>Healthcare Practitioners and Technical Occupations</b>	<b>2</b>	<b>65,900</b>	<b>69,370</b>	<b>3,471</b>	<b>5.3%</b>	<b>1,740</b>	<b>1,210</b>	<b>2,950</b>			
<b>29-1000</b>	<b>Health Diagnosing and Treating Practitioners</b>	<b>3</b>	<b>39,740</b>	<b>41,740</b>	<b>1,999</b>	<b>5.0%</b>	<b>1,000</b>	<b>740</b>	<b>1,740</b>			
29-1011	Chiropractors	4	470	490	20	4.3%	10	10	20	Doctoral or professional degree	None	None
29-1021	Dentists, General	4	1,580	1,660	76	4.8%	40	40	80	Doctoral or professional degree	None	None
29-1031	Dietitians and Nutritionists	4	630	670	34	5.4%	20	10	20	Bachelor's degree	None	Internship/residency
29-1041	Optometrists	4	250	260	14	5.7%	10	10	20	Doctoral or professional degree	None	None
29-1051	Pharmacists	4	2,530	2,660	128	5.1%	60	60	120	Doctoral or professional degree	None	None
29-1061	Anesthesiologists	4	450	480	26	5.8%	10	10	20	Doctoral or professional degree	None	Internship/residency
29-1062	Family and General Practitioners	4	780	810	33	4.2%	20	20	30	Doctoral or professional degree	None	Internship/residency
29-1064	Obstetricians and Gynecologists	4	250	260	10	4.1%	10	10	10	Doctoral or professional degree	None	Internship/residency
29-1065	Pediatricians, General	4	180	190	8	4.5%	0	0	10	Doctoral or professional degree	None	Internship/residency
29-1066	Psychiatrists	4	350	370	21	6.0%	10	10	20	Doctoral or professional degree	None	Internship/residency
29-1067	Surgeons	4	350	360	16	4.6%	10	10	20	Doctoral or professional degree	None	Internship/residency
29-1069	Physicians and Surgeons, All Other	4	2,380	2,490	110	4.6%	60	60	110	Doctoral or professional degree	None	Internship/residency
29-1071	Physician Assistants	4	1,100	1,180	83	7.5%	40	20	60	Master's degree	None	None
29-1081	Podiatrists	4	130	140	6	4.6%	0	0	10	Doctoral or professional degree	None	Internship/residency
29-1122	Occupational Therapists	4	640	680	38	5.9%	20	0	20	Master's degree	None	None
29-1123	Physical Therapists	4	1,730	1,860	128	7.4%	60	40	110	Doctoral or professional degree	None	None
29-1125	Recreational Therapists	4	300	310	9	3.0%	0	10	10	Bachelor's degree	None	None
29-1126	Respiratory Therapists	4	790	820	33	4.2%	20	10	20	Associate's degree	None	None
29-1127	Speech-Language Pathologists	4	920	960	39	4.2%	20	10	30	Master's degree	None	None
29-1131	Veterinarians	4	560	610	49	8.8%	20	20	40	Doctoral or professional degree	None	None
29-1141	Registered Nurses	4	20,190	21,130	943	4.7%	470	340	810	Associate's degree	None	None
29-1151	Nurse Anesthetists	4	160	170	9	5.5%	0	0	10	Master's degree	None	None
29-1171	Nurse Practitioners	4	1,710	1,820	111	6.5%	60	30	90	Master's degree	None	None
29-1199	Health Diagnosing and Treating Practitioners, All Other	4	170	180	6	3.5%	0	0	10	Master's degree	None	None
<b>29-2000</b>	<b>Health Technologists and Technicians</b>	<b>3</b>	<b>24,420</b>	<b>25,820</b>	<b>1,404</b>	<b>5.8%</b>	<b>700</b>	<b>430</b>	<b>1,130</b>			
29-2011	Medical and Clinical Laboratory Technologists	4	2,130	2,220	88	4.1%	40	50	100	Bachelor's degree	None	None
29-2012	Medical and Clinical Laboratory Technicians	4	1,650	1,760	103	6.2%	50	40	90	Associate's degree	None	None
29-2021	Dental Hygienists	4	2,350	2,510	155	6.6%	80	50	130	Associate's degree	None	None
29-2033	Nuclear Medicine Technologists	4	150	160	7	4.7%	0	0	10	Associate's degree	None	None
29-2034	Radiologic Technologists	4	1,570	1,650	77	4.9%	40	20	60	Associate's degree	None	None
29-2041	Emergency Medical Technicians and Paramedics	4	2,580	2,690	114	4.4%	60	60	120	Postsecondary non-degree award	None	None
29-2051	Dietetic Technicians	4	490	510	21	4.3%	10	0	10	Associate's degree	None	None
29-2052	Pharmacy Technicians	4	3,400	3,630	230	6.8%	120	30	140	High school diploma or equivalent	None	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	4	860	870	11	1.3%	10	10	10	Postsecondary non-degree award	None	Short-term on-the-job training
29-2054	Respiratory Therapy Technicians	4	120	130	7	5.7%	0	0	10	Associate's degree	None	Moderate-term on-the-job training
29-2056	Veterinary Technologists and Technicians	4	810	910	100	12.4%	50	10	60	Associate's degree	None	None
29-2061	Licensed Practical and Licensed Vocational Nurses	4	2,480	2,620	138	5.6%	70	60	130	Postsecondary non-degree award	None	None
29-2071	Medical Records and Health Information Technicians	4	2,190	2,310	116	5.3%	60	50	110	Postsecondary non-degree award	None	None
29-2081	Opticians, Dispensing	4	860	910	49	5.7%	20	20	50	High school diploma or equivalent	None	Long-term on-the-job training
29-2091	Orthotists and Prosthetists	4	70	80	10	13.7%	10	0	10	Master's degree	None	Internship/residency
29-2099	Health Technologists and Technicians, All Other	4	390	420	24	6.1%	10	0	20	High school diploma or equivalent	None	None
<b>29-9000</b>	<b>Other Healthcare Practitioners and Technical Occupations</b>	<b>3</b>	<b>1,740</b>	<b>1,810</b>	<b>68</b>	<b>3.9%</b>	<b>30</b>	<b>40</b>	<b>70</b>			
29-9011	Occupational Health and Safety Specialists	4	800	830	26	3.3%	10	20	30	Bachelor's degree	None	Short-term on-the-job training
29-9091	Athletic Trainers	4	190	200	12	6.4%	10	0	10	Bachelor's degree	None	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>31-0000</b>	<b>Healthcare Support Occupations</b>	<b>2</b>	<b>33,990</b>	<b>35,920</b>	<b>1,927</b>	<b>5.7%</b>	<b>960</b>	<b>590</b>	<b>1,550</b>			
<b>31-1000</b>	<b>Nursing, Psychiatric, and Home Health Aides</b>	<b>3</b>	<b>15,350</b>	<b>16,190</b>	<b>838</b>	<b>5.5%</b>	<b>420</b>	<b>270</b>	<b>690</b>			
31-1011	Home Health Aides	4	3,860	4,160	302	7.8%	150	70	220	Less than high school	None	Short-term on-the-job training
31-1014	Nursing Assistants	4	10,800	11,310	515	4.8%	260	190	450	Postsecondary non-degree award	None	None
<b>31-2000</b>	<b>Occupational Therapy and Physical Therapist Assistants and Aides</b>	<b>3</b>	<b>1,620</b>	<b>1,750</b>	<b>129</b>	<b>8.0%</b>	<b>60</b>	<b>30</b>	<b>100</b>			
31-2011	Occupational Therapy Assistants	4	130	140	10	7.8%	10	0	10	Associate's degree	None	None
31-2022	Physical Therapist Aides	4	1,010	1,100	86	8.5%	40	20	60	High school diploma or equivalent	None	Short-term on-the-job training
<b>31-9000</b>	<b>Other Healthcare Support Occupations</b>	<b>3</b>	<b>17,030</b>	<b>17,990</b>	<b>960</b>	<b>5.6%</b>	<b>480</b>	<b>290</b>	<b>770</b>			
31-9011	Massage Therapists	4	1,860	1,990	129	6.9%	60	10	80	Postsecondary non-degree award	None	None
31-9091	Dental Assistants	4	4,920	5,180	258	5.2%	130	90	220	Postsecondary non-degree award	None	None
31-9092	Medical Assistants	4	7,210	7,630	422	5.9%	210	120	340	Postsecondary non-degree award	None	None
31-9093	Medical Equipment Preparers	4	120	120	5	4.3%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
31-9094	Medical Transcriptionists	4	830	860	32	3.9%	20	10	30	Postsecondary non-degree award	None	None
31-9095	Pharmacy Aides	4	270	290	16	5.9%	10	0	10	High school diploma or equivalent	None	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	4	230	250	19	8.3%	10	0	10	High school diploma or equivalent	None	Short-term on-the-job training
31-9097	Phlebotomists	4	1,050	1,110	60	5.7%	30	20	50	Postsecondary non-degree award	None	None
31-9099	Healthcare Support Workers, All Other	4	540	560	19	3.5%	10	10	20	High school diploma or equivalent	None	None
<b>33-0000</b>	<b>Protective Service Occupations</b>	<b>2</b>	<b>25,780</b>	<b>26,670</b>	<b>891</b>	<b>3.5%</b>	<b>450</b>	<b>800</b>	<b>1,250</b>			
<b>33-1000</b>	<b>Supervisors of Protective Service Workers</b>	<b>3</b>	<b>2,780</b>	<b>2,870</b>	<b>85</b>	<b>3.1%</b>	<b>40</b>	<b>80</b>	<b>130</b>			
33-1011	First-Line Supervisors of Correctional Officers	4	260	260	4	1.6%	0	10	10	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-1012	First-Line Supervisors of Police and Detectives	4	1,440	1,480	41	2.9%	20	40	60	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	4	550	570	17	3.1%	10	20	30	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training
33-1099	First-Line Supervisors of Protective Service Workers, All Other	4	530	560	23	4.3%	10	10	20	High school diploma or equivalent	Less than 5 years	None
<b>33-2000</b>	<b>Fire Fighting and Prevention Workers</b>	<b>3</b>	<b>3,430</b>	<b>3,540</b>	<b>111</b>	<b>3.2%</b>	<b>60</b>	<b>90</b>	<b>140</b>			
33-2011	Firefighters	4	3,370	3,480	110	3.3%	60	90	140	Postsecondary non-degree award	None	Long-term on-the-job training
<b>33-3000</b>	<b>Law Enforcement Workers</b>	<b>3</b>	<b>8,410</b>	<b>8,640</b>	<b>228</b>	<b>2.7%</b>	<b>110</b>	<b>240</b>	<b>360</b>			
33-3011	Bailiffs	4	80	80	3	3.8%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3012	Correctional Officers and Jailers	4	2,470	2,520	47	1.9%	20	60	90	High school diploma or equivalent	None	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	4	350	360	9	2.6%	0	10	10	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-3041	Parking Enforcement Workers	4	60	70	2	3.1%	0	0	0	High school diploma or equivalent	None	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	4	5,410	5,580	167	3.1%	80	170	250	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>33-9000</b>	<b>Other Protective Service Workers</b>	<b>3</b>	<b>11,160</b>	<b>11,620</b>	<b>467</b>	<b>4.2%</b>	<b>230</b>	<b>390</b>	<b>630</b>			
33-9011	Animal Control Workers	4	200	210	6	3.0%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	4	150	160	11	7.2%	10	0	10	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
33-9032	Security Guards	4	6,100	6,410	309	5.1%	150	90	240	High school diploma or equivalent	None	Short-term on-the-job training
33-9091	Crossing Guards	4	1,810	1,860	42	2.3%	20	30	50	High school diploma or equivalent	None	Short-term on-the-job training
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	4	1,570	1,620	54	3.5%	30	170	190	High school diploma or equivalent	None	Short-term on-the-job training
33-9093	Transportation Security Screeners	4	460	480	18	3.9%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
33-9099	Protective Service Workers, All Other	4	860	890	27	3.1%	10	90	110	High school diploma or equivalent	None	Short-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>35-0000</b>	<b>Food Preparation and Serving Related Occupations</b>	<b>2</b>	<b>98,910</b>	<b>106,630</b>	<b>7,716</b>	<b>7.8%</b>	<b>3,860</b>	<b>4,520</b>	<b>8,380</b>			
<b>35-1000</b>	<b>Supervisors of Food Preparation and Serving Workers</b>	<b>3</b>	<b>7,790</b>	<b>8,440</b>	<b>648</b>	<b>8.3%</b>	<b>320</b>	<b>220</b>	<b>540</b>			
35-1011	Chefs and Head Cooks	4	990	1,060	66	6.7%	30	10	50	High school diploma or equivalent	5 years or more	None
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4	6,800	7,380	582	8.6%	290	200	500	High school diploma or equivalent	Less than 5 years	None
<b>35-2000</b>	<b>Cooks and Food Preparation Workers</b>	<b>3</b>	<b>20,890</b>	<b>22,400</b>	<b>1,510</b>	<b>7.2%</b>	<b>760</b>	<b>490</b>	<b>1,250</b>			
35-2011	Cooks, Fast Food	4	4,650	4,950	295	6.3%	150	90	240	Less than high school	None	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	4	2,330	2,430	106	4.6%	50	50	100	Less than high school	None	Short-term on-the-job training
35-2014	Cooks, Restaurant	4	7,290	7,950	660	9.1%	330	150	480	Less than high school	Less than 5 years	Moderate-term on-the-job training
35-2015	Cooks, Short Order	4	580	620	33	5.7%	20	10	30	Less than high school	None	Short-term on-the-job training
35-2021	Food Preparation Workers	4	6,000	6,420	412	6.9%	210	190	400	Less than high school	None	Short-term on-the-job training
<b>35-3000</b>	<b>Food and Beverage Serving Workers</b>	<b>3</b>	<b>58,760</b>	<b>63,520</b>	<b>4,760</b>	<b>8.1%</b>	<b>2,380</b>	<b>3,000</b>	<b>5,380</b>			
35-3011	Bartenders	4	2,920	3,160	242	8.3%	120	110	230	Less than high school	None	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	4	32,720	35,650	2,935	9.0%	1,470	1,570	3,040	Less than high school	None	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	4	3,440	3,610	165	4.8%	80	330	410	Less than high school	None	Short-term on-the-job training
35-3031	Waiters and Waitresses	4	18,400	19,750	1,347	7.3%	670	950	1,630	Less than high school	None	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	4	1,280	1,350	71	5.5%	40	40	70	Less than high school	None	Short-term on-the-job training
<b>35-9000</b>	<b>Other Food Preparation and Serving Related Workers</b>	<b>3</b>	<b>11,460</b>	<b>12,260</b>	<b>798</b>	<b>7.0%</b>	<b>400</b>	<b>820</b>	<b>1,220</b>			
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4	3,650	3,890	239	6.6%	120	210	330	Less than high school	None	Short-term on-the-job training
35-9021	Dishwashers	4	4,520	4,840	319	7.1%	160	260	420	Less than high school	None	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	4	3,250	3,490	237	7.3%	120	350	470	Less than high school	None	None
35-9099	Food Preparation and Serving Related Workers, All Other	4	40	40	3	7.9%	0	0	0	Less than high school	None	Short-term on-the-job training
<b>37-0000</b>	<b>Occupations</b>	<b>2</b>	<b>47,470</b>	<b>49,790</b>	<b>2,325</b>	<b>4.9%</b>	<b>1,160</b>	<b>920</b>	<b>2,080</b>			
<b>37-1000</b>	<b>Supervisors of Building and Grounds Cleaning and Maintenance Workers</b>	<b>3</b>	<b>3,780</b>	<b>3,960</b>	<b>179</b>	<b>4.7%</b>	<b>90</b>	<b>60</b>	<b>150</b>			
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	4	2,210	2,310	102	4.6%	50	50	100	High school diploma or equivalent	Less than 5 years	None
37-1012	First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	4	1,570	1,640	77	4.9%	40	10	50	High school diploma or equivalent	Less than 5 years	None
<b>37-2000</b>	<b>Building Cleaning and Pest Control Workers</b>	<b>3</b>	<b>31,650</b>	<b>33,200</b>	<b>1,544</b>	<b>4.9%</b>	<b>770</b>	<b>550</b>	<b>1,320</b>			
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	4	19,870	20,800	926	4.7%	460	340	800	Less than high school	None	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	4	11,100	11,680	576	5.2%	290	200	490	Less than high school	None	Short-term on-the-job training
<b>37-3000</b>	<b>Grounds Maintenance Workers</b>	<b>3</b>	<b>12,040</b>	<b>12,640</b>	<b>602</b>	<b>5.0%</b>	<b>300</b>	<b>300</b>	<b>610</b>			
37-3011	Landscaping and Groundskeeping Workers	4	11,370	11,930	564	5.0%	280	290	570	Less than high school	None	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	4	270	280	14	5.2%	10	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	4	260	270	16	6.3%	10	10	10	High school diploma or equivalent	None	Short-term on-the-job training
37-3019	Grounds Maintenance Workers, All Other	4	150	160	8	5.4%	0	0	10	Less than high school	None	Short-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>39-0000</b>	<b>Personal Care and Service Occupations</b>	<b>2</b>	<b>43,760</b>	<b>46,300</b>	<b>2,546</b>	<b>5.8%</b>	<b>1,270</b>	<b>1,180</b>	<b>2,450</b>			
<b>39-1000</b>	<b>Supervisors of Personal Care and Service Workers</b>	<b>3</b>	<b>1,910</b>	<b>2,000</b>	<b>90</b>	<b>4.7%</b>	<b>50</b>	<b>30</b>	<b>80</b>			
39-1021	First-Line Supervisors of Personal Service Workers	4	1,910	2,000	90	4.7%	50	30	80	High school diploma or equivalent	Less than 5 years	None
<b>39-2000</b>	<b>Animal Care and Service Workers</b>	<b>3</b>	<b>2,410</b>	<b>2,570</b>	<b>155</b>	<b>6.4%</b>	<b>80</b>	<b>30</b>	<b>110</b>			
39-2011	Animal Trainers	4	210	230	17	8.2%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	4	2,210	2,340	138	6.3%	70	30	90	Less than high school	None	Short-term on-the-job training
<b>39-3000</b>	<b>Entertainment Attendants and Related Workers</b>	<b>3</b>	<b>5,900</b>	<b>6,140</b>	<b>248</b>	<b>4.2%</b>	<b>120</b>	<b>390</b>	<b>520</b>			
39-3021	Motion Picture Projectionists	4	110	110	1	0.9%	0	10	10	Less than high school	None	Short-term on-the-job training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	4	2,070	2,170	98	4.7%	50	150	200	Less than high school	None	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	4	3,500	3,640	140	4.0%	70	220	290	Less than high school	None	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	4	100	100	4	4.0%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training
<b>39-4000</b>	<b>Funeral Service Workers</b>	<b>3</b>	<b>410</b>	<b>420</b>	<b>13</b>	<b>3.2%</b>	<b>10</b>	<b>10</b>	<b>20</b>			
39-4021	Funeral Attendants	4	200	210	6	2.9%	0	0	10	High school diploma or equivalent	None	Short-term on-the-job training
<b>39-5000</b>	<b>Personal Appearance Workers</b>	<b>3</b>	<b>7,680</b>	<b>8,130</b>	<b>452</b>	<b>5.9%</b>	<b>230</b>	<b>140</b>	<b>370</b>			
39-5012	Hairdressers, Hairstylists, and Cosmetologists	4	5,620	5,920	304	5.4%	150	130	280	Postsecondary non-degree award	None	None
39-5092	Manicurists and Pedicurists	4	1,030	1,090	58	5.6%	30	10	40	Postsecondary non-degree award	None	None
39-5094	Skincare Specialists	4	840	920	79	9.4%	40	10	50	Postsecondary non-degree award	None	None
<b>39-6000</b>	<b>Baggage Porters, Bellhops, and Concierges</b>	<b>3</b>	<b>370</b>	<b>400</b>	<b>22</b>	<b>5.9%</b>	<b>10</b>	<b>10</b>	<b>20</b>			
<b>39-7000</b>	<b>Tour and Travel Guides</b>	<b>3</b>	<b>720</b>	<b>750</b>	<b>33</b>	<b>4.6%</b>	<b>20</b>	<b>40</b>	<b>50</b>			
<b>39-9000</b>	<b>Other Personal Care and Service Workers</b>	<b>3</b>	<b>24,360</b>	<b>25,900</b>	<b>1,533</b>	<b>6.3%</b>	<b>770</b>	<b>520</b>	<b>1,290</b>			
39-9011	Childcare Workers	4	11,560	12,250	687	5.9%	340	350	690	High school diploma or equivalent	None	Short-term on-the-job training
39-9021	Personal Care Aides	4	5,060	5,560	504	10.0%	250	30	280	Less than high school	None	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	4	2,880	3,000	120	4.2%	60	30	90	High school diploma or equivalent	None	Short-term on-the-job training
39-9032	Recreation Workers	4	3,020	3,160	136	4.5%	70	30	100	Bachelor's degree	None	None
39-9041	Residential Advisors	4	1,670	1,750	77	4.6%	40	70	110	High school diploma or equivalent	None	Short-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	4	170	180	9	5.2%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>41-0000</b>	<b>Sales and Related Occupations</b>	<b>2</b>	<b>151,840</b>	<b>159,490</b>	<b>7,652</b>	<b>5.0%</b>	<b>3,830</b>	<b>4,880</b>	<b>8,710</b>			
<b>41-1000</b>	<b>Supervisors of Sales Workers</b>	<b>3</b>	<b>15,960</b>	<b>16,690</b>	<b>725</b>	<b>4.5%</b>	<b>360</b>	<b>320</b>	<b>680</b>			
41-1011	First-Line Supervisors of Retail Sales Workers	4	13,090	13,680	586	4.5%	290	280	570	High school diploma or equivalent	Less than 5 years	None
41-1012	First-Line Supervisors of Non-Retail Sales Workers	4	2,870	3,010	139	4.8%	70	40	110	High school diploma or equivalent	Less than 5 years	None
<b>41-2000</b>	<b>Retail Sales Workers</b>	<b>3</b>	<b>80,550</b>	<b>84,120</b>	<b>3,570</b>	<b>4.4%</b>	<b>1,790</b>	<b>3,400</b>	<b>5,180</b>			
41-2011	Cashiers	4	29,370	30,830	1,457	5.0%	730	1,580	2,310	Less than high school	None	Short-term on-the-job training
41-2021	Counter and Rental Clerks	4	3,720	3,870	144	3.9%	70	110	180	Less than high school	None	Short-term on-the-job training
41-2022	Parts Salespersons	4	2,650	2,800	153	5.8%	80	60	140	Less than high school	None	Moderate-term on-the-job training
41-2031	Retail Salespersons	4	44,810	46,630	1,816	4.1%	910	1,650	2,560	Less than high school	None	Short-term on-the-job training
<b>41-3000</b>	<b>Sales Representatives, Services</b>	<b>3</b>	<b>21,090</b>	<b>22,700</b>	<b>1,609</b>	<b>7.6%</b>	<b>800</b>	<b>540</b>	<b>1,340</b>			
41-3011	Advertising Sales Agents	4	1,330	1,420	89	6.7%	40	40	80	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3021	Insurance Sales Agents	4	3,610	3,870	260	7.2%	130	80	210	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3031	Securities, Commodities, and Financial Services Sales Agents	4	2,570	2,720	150	5.8%	80	60	140	Bachelor's degree	None	Moderate-term on-the-job training
41-3041	Travel Agents	4	720	730	8	1.1%	0	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
41-3099	Sales Representatives, Services, All Other	4	12,860	13,960	1,102	8.6%	550	340	890	High school diploma or equivalent	None	Short-term on-the-job training
<b>41-4000</b>	<b>Sales Representatives, Wholesale and Manufacturing</b>	<b>3</b>	<b>20,140</b>	<b>21,040</b>	<b>895</b>	<b>4.4%</b>	<b>450</b>	<b>390</b>	<b>840</b>			
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	4	5,150	5,520	369	7.2%	180	100	280	Bachelor's degree	None	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	4	14,990	15,520	526	3.5%	260	290	550	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>41-9000</b>	<b>Other Sales and Related Workers</b>	<b>3</b>	<b>14,090</b>	<b>14,940</b>	<b>853</b>	<b>6.1%</b>	<b>430</b>	<b>240</b>	<b>670</b>			
41-9011	Demonstrators and Product Promoters	4	1,100	1,200	104	9.5%	50	30	80	High school diploma or equivalent	None	Short-term on-the-job training
41-9021	Real Estate Brokers	4	390	410	27	7.0%	10	0	20	High school diploma or equivalent	Less than 5 years	None
41-9022	Real Estate Sales Agents	4	4,920	5,230	305	6.2%	150	50	200	High school diploma or equivalent	None	Long-term on-the-job training
41-9031	Sales Engineers	4	440	470	36	8.3%	20	10	30	Bachelor's degree	None	Moderate-term on-the-job training
41-9041	Telemarketers	4	5,090	5,400	319	6.3%	160	120	280	Less than high school	None	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	4	1,050	1,110	56	5.3%	30	20	50	High school diploma or equivalent	None	None

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>43-0000</b>	<b>Office and Administrative Support Occupations</b>	<b>2</b>	<b>240,320</b>	<b>252,440</b>	<b>12,112</b>	<b>5.0%</b>	<b>6,110</b>	<b>5,270</b>	<b>11,380</b>			
<b>43-1000</b>	<b>Supervisors of Office and Administrative Support Workers</b>	<b>3</b>	<b>15,990</b>	<b>16,940</b>	<b>947</b>	<b>5.9%</b>	<b>470</b>	<b>370</b>	<b>850</b>			
43-1011	First-Line Supervisors of Office and Administrative Support Workers	4	15,990	16,940	947	5.9%	470	370	850	High school diploma or equivalent	Less than 5 years	None
<b>43-2000</b>	<b>Communications Equipment Operators</b>	<b>3</b>	<b>970</b>	<b>1,010</b>	<b>43</b>	<b>4.4%</b>	<b>20</b>	<b>20</b>	<b>50</b>			
43-2011	Switchboard Operators, Including Answering Service	4	480	470	-5	-1.1%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training
<b>43-3000</b>	<b>Financial Clerks</b>	<b>3</b>	<b>31,580</b>	<b>33,330</b>	<b>1,749</b>	<b>5.5%</b>	<b>870</b>	<b>650</b>	<b>1,530</b>			
43-3011	Bill and Account Collectors	4	3,530	3,720	187	5.3%	90	100	190	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3021	Billing and Posting Clerks	4	3,760	4,020	256	6.8%	130	60	190	High school diploma or equivalent	None	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	4	15,820	16,700	884	5.6%	440	140	590	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	4	1,460	1,540	88	6.1%	40	30	70	High school diploma or equivalent	None	Moderate-term on-the-job training
43-3071	Tellers	4	5,290	5,530	247	4.7%	120	280	400	High school diploma or equivalent	None	Short-term on-the-job training
<b>43-4000</b>	<b>Information and Record Clerks</b>	<b>3</b>	<b>77,740</b>	<b>82,400</b>	<b>4,664</b>	<b>6.0%</b>	<b>2,340</b>	<b>1,970</b>	<b>4,300</b>			
43-4011	Brokerage Clerks	4	500	530	27	5.4%	10	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4031	Court, Municipal, and License Clerks	4	990	1,020	29	2.9%	10	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	4	500	520	21	4.2%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
43-4051	Customer Service Representatives	4	41,840	45,010	3,175	7.6%	1,590	1,100	2,690	High school diploma or equivalent	None	Short-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	4	1,880	1,950	63	3.3%	30	40	70	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4071	File Clerks	4	1,190	1,200	14	1.2%	10	30	40	High school diploma or equivalent	None	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	4	3,070	3,280	211	6.9%	110	60	160	High school diploma or equivalent	None	Short-term on-the-job training
43-4121	Library Assistants, Clerical	4	830	870	38	4.6%	20	40	60	High school diploma or equivalent	None	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	4	2,770	2,940	170	6.1%	90	20	110	High school diploma or equivalent	None	Short-term on-the-job training
43-4141	New Accounts Clerks	4	540	550	17	3.2%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
43-4151	Order Clerks	4	1,850	1,930	84	4.5%	40	50	90	High school diploma or equivalent	None	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	4	1,050	1,080	30	2.9%	20	20	40	High school diploma or equivalent	None	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	4	12,250	12,820	569	4.6%	280	350	630	High school diploma or equivalent	None	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	4	4,220	4,280	53	1.3%	30	60	90	High school diploma or equivalent	None	Short-term on-the-job training
43-4199	Information and Record Clerks, All Other	4	1,360	1,350	-13	-1.0%	0	30	30	High school diploma or equivalent	None	Short-term on-the-job training
<b>43-5000</b>	<b>Material Recording, Scheduling, Dispatching, and Distributing Workers</b>	<b>3</b>	<b>34,240</b>	<b>35,470</b>	<b>1,224</b>	<b>3.6%</b>	<b>620</b>	<b>960</b>	<b>1,580</b>			
43-5011	Cargo and Freight Agents	4	290	300	14	4.9%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
43-5021	Couriers and Messengers	4	770	780	13	1.7%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	4	750	770	22	3.0%	10	20	30	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	4	1,830	1,920	89	4.9%	40	50	90	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	4	250	240	-7	-2.8%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training
43-5051	Postal Service Clerks	4	610	620	13	2.2%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	4	2,280	2,360	85	3.7%	40	80	120	High school diploma or equivalent	None	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	4	750	770	21	2.8%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
43-5061	Production, Planning, and Expediting Clerks	4	3,290	3,410	123	3.7%	60	80	140	High school diploma or equivalent	None	Moderate-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	4	6,960	7,260	299	4.3%	150	180	330	High school diploma or equivalent	None	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	4	15,860	16,380	516	3.3%	260	510	760	Less than high school	None	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	4	630	660	36	5.8%	20	10	30	High school diploma or equivalent	None	Short-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>43-6000</b>	<b>Secretaries and Administrative Assistants</b>	<b>3</b>	<b>39,320</b>	<b>41,370</b>	<b>2,046</b>	<b>5.2%</b>	<b>1,020</b>	<b>470</b>	<b>1,490</b>			
43-6011	Executive Secretaries and Executive Administrative Assistants	4	7,260	7,450	193	2.7%	100	90	180	High school diploma or equivalent	Less than 5 years	None
43-6012	Legal Secretaries	4	1,780	1,820	43	2.4%	20	20	40	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6013	Medical Secretaries	4	6,010	6,450	437	7.3%	220	70	290	High school diploma or equivalent	None	Moderate-term on-the-job training
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	4	24,270	25,640	1,373	5.7%	690	290	980	High school diploma or equivalent	None	Short-term on-the-job training
<b>43-9000</b>	<b>Other Office and Administrative Support Workers</b>	<b>3</b>	<b>40,480</b>	<b>41,920</b>	<b>1,439</b>	<b>3.6%</b>	<b>760</b>	<b>820</b>	<b>1,580</b>			
43-9011	Computer Operators	4	570	560	-9	-1.6%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9021	Data Entry Keyers	4	3,390	3,310	-71	-2.1%	0	50	50	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9022	Word Processors and Typists	4	830	840	7	0.8%	0	0	10	High school diploma or equivalent	None	Short-term on-the-job training
43-9031	Desktop Publishers	4	110	110	7	6.5%	0	0	10	Associate's degree	None	Short-term on-the-job training
43-9041	Insurance Claims and Policy Processing Clerks	4	1,810	1,930	116	6.4%	60	50	110	High school diploma or equivalent	None	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	4	1,580	1,620	37	2.3%	20	40	60	High school diploma or equivalent	None	Short-term on-the-job training
43-9061	Office Clerks, General	4	29,010	30,190	1,182	4.1%	590	600	1,190	High school diploma or equivalent	None	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	4	510	520	8	1.6%	0	10	20	High school diploma or equivalent	None	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	4	240	250	8	3.3%	0	0	10	Bachelor's degree	None	None
43-9111	Statistical Assistants	4	200	210	10	5.0%	10	10	10	Bachelor's degree	None	None
43-9199	Office and Administrative Support Workers, All Other	4	2,230	2,380	144	6.5%	70	60	130	High school diploma or equivalent	None	Short-term on-the-job training
<b>45-0000</b>	<b>Farming, Fishing, and Forestry Occupations</b>	<b>2</b>	<b>6,240</b>	<b>6,380</b>	<b>144</b>	<b>2.3%</b>	<b>80</b>	<b>190</b>	<b>260</b>			
<b>45-1000</b>	<b>Supervisors of Farming, Fishing, and Forestry Workers</b>	<b>3</b>	<b>250</b>	<b>260</b>	<b>10</b>	<b>4.0%</b>	<b>10</b>	<b>10</b>	<b>10</b>			
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	4	250	260	10	4.0%	10	10	10	High school diploma or equivalent	Less than 5 years	None
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>3</b>	<b>5,780</b>	<b>5,910</b>	<b>133</b>	<b>2.3%</b>	<b>70</b>	<b>180</b>	<b>250</b>			
45-2041	Graders and Sorters, Agricultural Products	4	160	160	0	0.0%	0	0	0	Less than high school	None	Short-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	4	4,380	4,480	94	2.2%	50	140	180	Less than high school	None	Short-term on-the-job training
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	4	570	600	24	4.2%	10	20	30	Less than high school	None	Short-term on-the-job training
45-2099	Agricultural Workers, All Other	4	60	60	2	3.5%	0	0	0	Less than high school	None	Short-term on-the-job training
<b>45-3000</b>	<b>Fishing and Hunting Workers</b>	<b>3</b>	<b>130</b>	<b>130</b>	<b>-3</b>	<b>-2.3%</b>	<b>0</b>	<b>0</b>	<b>0</b>			
45-3011	Fishers and Related Fishing Workers	4	130	120	-4	-3.2%	0	0	0	Less than high school	None	Moderate-term on-the-job training
<b>45-4000</b>	<b>Forest, Conservation, and Logging Workers</b>	<b>3</b>	<b>80</b>	<b>80</b>	<b>4</b>	<b>5.0%</b>	<b>0</b>	<b>0</b>	<b>0</b>			

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>47-0000</b>	<b>Construction and Extraction Occupations</b>	<b>2</b>	<b>81,930</b>	<b>88,110</b>	<b>6,183</b>	<b>7.6%</b>	<b>3,240</b>	<b>1,400</b>	<b>4,640</b>			
<b>47-1000</b>	<b>Supervisors of Construction and Extraction Workers</b>	<b>3</b>	<b>8,020</b>	<b>8,540</b>	<b>527</b>	<b>6.6%</b>	<b>260</b>	<b>90</b>	<b>360</b>			
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	4	8,020	8,540	527	6.6%	260	90	360	High school diploma or equivalent	5 years or more	None
<b>47-2000</b>	<b>Construction Trades Workers</b>	<b>3</b>	<b>61,880</b>	<b>67,300</b>	<b>5,421</b>	<b>8.8%</b>	<b>2,710</b>	<b>1,050</b>	<b>3,760</b>			
47-2021	Brickmasons and Blockmasons	4	1,110	1,280	170	15.4%	90	10	100	High school diploma or equivalent	None	Apprenticeship
47-2022	Stonemasons	4	90	90	4	4.6%	0	0	0	High school diploma or equivalent	None	Apprenticeship
47-2031	Carpenters	4	10,380	11,160	780	7.5%	390	130	520	High school diploma or equivalent	None	Apprenticeship
47-2041	Carpet Installers	4	260	280	18	7.0%	10	0	10	Less than high school	None	Short-term on-the-job training
47-2043	Floor Sanders and Finishers	4	50	50	0	0.0%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2044	Tile and Marble Setters	4	1,160	1,260	105	9.1%	50	20	70	Less than high school	None	Long-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	4	3,110	3,440	330	10.6%	170	40	200	Less than high school	None	Moderate-term on-the-job training
47-2061	Construction Laborers	4	13,400	14,470	1,078	8.1%	540	280	820	Less than high school	None	Short-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	4	260	280	18	7.0%	10	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	4	6,390	6,610	226	3.5%	110	130	250	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	4	2,210	2,440	230	10.4%	120	20	140	Less than high school	None	Moderate-term on-the-job training
47-2082	Tapers	4	390	420	37	9.6%	20	0	20	Less than high school	None	Moderate-term on-the-job training
47-2111	Electricians	4	6,670	7,420	749	11.2%	370	120	500	High school diploma or equivalent	None	Apprenticeship
47-2121	Glaziers	4	540	600	53	9.8%	30	10	40	High school diploma or equivalent	None	Apprenticeship
47-2131	Insulation Workers, Floor, Ceiling, and Wall	4	360	410	46	12.8%	20	10	30	Less than high school	None	Short-term on-the-job training
47-2132	Insulation Workers, Mechanical	4	330	390	55	16.7%	30	0	30	High school diploma or equivalent	None	Apprenticeship
47-2141	Painters, Construction and Maintenance	4	3,430	3,740	310	9.0%	160	50	210	Less than high school	None	Moderate-term on-the-job training
47-2142	Paperhangers	4	60	60	2	3.5%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
47-2151	Pipelayers	4	570	600	32	5.6%	20	10	20	Less than high school	None	Short-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	4	4,860	5,440	578	11.9%	290	60	350	High school diploma or equivalent	None	Apprenticeship
47-2161	Plasterers and Stucco Masons	4	840	920	85	10.2%	40	0	50	Less than high school	None	Long-term on-the-job training
47-2181	Roofers	4	1,330	1,470	137	10.3%	70	30	100	Less than high school	None	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	4	1,940	2,100	165	8.5%	80	30	120	High school diploma or equivalent	None	Apprenticeship
47-2221	Structural Iron and Steel Workers	4	1,410	1,550	138	9.8%	70	50	120	High school diploma or equivalent	None	Apprenticeship
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>3</b>	<b>3,210</b>	<b>3,610</b>	<b>398</b>	<b>12.4%</b>	<b>200</b>	<b>60</b>	<b>260</b>			
47-3012	Helpers--Carpenters	4	480	520	45	9.4%	20	10	30	Less than high school	None	Short-term on-the-job training
47-3013	Helpers--Electricians	4	760	870	114	15.1%	60	10	70	High school diploma or equivalent	None	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	4	340	370	30	8.9%	20	10	20	Less than high school	None	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	4	440	490	52	11.9%	30	10	30	High school diploma or equivalent	None	Short-term on-the-job training
47-3016	Helpers--Roofers	4	330	370	35	10.5%	20	10	20	Less than high school	None	Short-term on-the-job training
<b>47-4000</b>	<b>Other Construction and Related Workers</b>	<b>3</b>	<b>3,290</b>	<b>3,430</b>	<b>137</b>	<b>4.2%</b>	<b>70</b>	<b>50</b>	<b>120</b>			
47-4011	Construction and Building Inspectors	4	810	840	31	3.9%	20	20	30	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training
47-4021	Elevator Installers and Repairers	4	340	390	46	13.4%	20	10	30	High school diploma or equivalent	None	Apprenticeship
47-4031	Fence Erectors	4	260	290	28	10.8%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	4	220	220	0	0.0%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	4	1,060	1,080	18	1.7%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	4	340	350	8	2.4%	0	10	10	Less than high school	None	Moderate-term on-the-job training
47-4099	Construction and Related Workers, All Other	4	120	120	4	3.4%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>47-5000</b>	<b>Extraction Workers</b>	<b>3</b>	<b>5,530</b>	<b>5,230</b>	<b>-300</b>	<b>-5.4%</b>	<b>0</b>	<b>140</b>	<b>140</b>			
47-5011	Derrick Operators, Oil and Gas	4	230	220	-17	-7.3%	0	10	10	Less than high school	None	Short-term on-the-job training
47-5012	Rotary Drill Operators, Oil and Gas	4	260	240	-22	-8.6%	0	10	10	Less than high school	None	Moderate-term on-the-job training
47-5013	Service Unit Operators, Oil, Gas, and Mining	4	990	910	-75	-7.6%	0	40	40	Less than high school	None	Moderate-term on-the-job training
47-5021	Earth Drillers, Except Oil and Gas	4	370	350	-14	-3.8%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	4	80	80	0	0.0%	0	0	0	High school diploma or equivalent	Less than 5 years	Long-term on-the-job training
47-5061	Roof Bolters, Mining	4	70	70	-2	-2.9%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
47-5071	Roustabouts, Oil and Gas	4	1,940	1,810	-127	-6.6%	0	40	40	Less than high school	None	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	4	360	340	-22	-6.2%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>49-0000</b>	<b>Installation, Maintenance, and Repair Occupations</b>	<b>2</b>	<b>56,020</b>	<b>59,010</b>	<b>2,989</b>	<b>5.3%</b>	<b>1,500</b>	<b>1,280</b>	<b>2,770</b>			
<b>49-1000</b>	<b>Supervisors of Installation, Maintenance, and Repair Workers</b>	<b>3</b>	<b>4,780</b>	<b>4,990</b>	<b>210</b>	<b>4.4%</b>	<b>110</b>	<b>120</b>	<b>220</b>			
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	4	4,780	4,990	210	4.4%	110	120	220	High school diploma or equivalent	Less than 5 years	None
<b>49-2000</b>	<b>Electrical and Electronic Equipment Mechanics, Installers, and Repairers</b>	<b>3</b>	<b>6,130</b>	<b>6,430</b>	<b>297</b>	<b>4.8%</b>	<b>150</b>	<b>120</b>	<b>260</b>			
49-2011	Computer, Automated Teller, and Office Machine Repairers	4	1,010	1,040	36	3.6%	20	20	40	Some college, no degree	None	None
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	4	2,240	2,420	184	8.2%	90	40	130	Postsecondary non-degree award	None	Moderate-term on-the-job training
49-2091	Avionics Technicians	4	210	220	2	0.9%	0	0	10	Associate's degree	None	None
49-2092	Electric Motor, Power Tool, and Related Repairers	4	280	280	5	1.8%	0	10	10	Postsecondary non-degree award	None	Long-term on-the-job training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	4	880	890	15	1.7%	10	20	30	Postsecondary non-degree award	None	Long-term on-the-job training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	4	360	370	6	1.7%	0	10	10	Postsecondary non-degree award	None	Long-term on-the-job training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	4	200	210	7	3.4%	0	0	10	Postsecondary non-degree award	None	Short-term on-the-job training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	4	220	230	6	2.7%	0	10	10	Postsecondary non-degree award	None	None
49-2098	Security and Fire Alarm Systems Installers	4	600	640	33	5.5%	20	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>49-3000</b>	<b>Vehicle and Mobile Equipment Mechanics, Installers, and Repairers</b>	<b>3</b>	<b>18,820</b>	<b>19,800</b>	<b>972</b>	<b>5.2%</b>	<b>490</b>	<b>470</b>	<b>950</b>			
49-3011	Aircraft Mechanics and Service Technicians	4	1,590	1,620	33	2.1%	20	40	50	Postsecondary non-degree award	None	None
49-3021	Automotive Body and Related Repairers	4	1,680	1,790	118	7.0%	60	30	90	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3022	Automotive Glass Installers and Repairers	4	220	240	15	6.8%	10	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	4	7,220	7,710	488	6.8%	240	180	420	High school diploma or equivalent	None	Long-term on-the-job training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	4	3,240	3,360	117	3.6%	60	70	130	High school diploma or equivalent	None	Long-term on-the-job training
49-3041	Farm Equipment Mechanics and Service Technicians	4	240	240	8	3.4%	0	10	10	High school diploma or equivalent	None	Long-term on-the-job training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	4	2,290	2,350	56	2.5%	30	70	90	High school diploma or equivalent	None	Long-term on-the-job training
49-3043	Rail Car Repairers	4	100	100	0	0.0%	0	0	0	High school diploma or equivalent	None	Long-term on-the-job training
49-3051	Motorboat Mechanics and Service Technicians	4	160	170	9	5.6%	0	0	10	High school diploma or equivalent	None	Long-term on-the-job training
49-3052	Motorcycle Mechanics	4	180	190	11	6.1%	10	0	10	High school diploma or equivalent	None	Long-term on-the-job training
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	4	190	200	7	3.6%	0	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3091	Bicycle Repairers	4	90	90	3	3.4%	0	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	4	130	140	9	7.0%	0	0	10	High school diploma or equivalent	None	Long-term on-the-job training
49-3093	Tire Repairers and Changers	4	1,510	1,610	98	6.5%	50	50	100	High school diploma or equivalent	None	Short-term on-the-job training
<b>49-9000</b>	<b>Other Installation, Maintenance, and Repair Occupations</b>	<b>3</b>	<b>26,280</b>	<b>27,790</b>	<b>1,510</b>	<b>5.8%</b>	<b>760</b>	<b>580</b>	<b>1,330</b>			
49-9011	Mechanical Door Repairers	4	460	510	48	10.4%	20	10	40	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	4	280	280	0	0.0%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	4	2,860	3,160	303	10.6%	150	70	220	Postsecondary non-degree award	None	Long-term on-the-job training
49-9031	Home Appliance Repairers	4	470	490	20	4.2%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9041	Industrial Machinery Mechanics	4	3,860	4,100	240	6.2%	120	110	230	High school diploma or equivalent	None	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	4	1,090	1,140	52	4.8%	30	20	40	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	4	940	960	29	3.1%	10	30	50	High school diploma or equivalent	None	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	4	1,100	1,190	93	8.5%	50	30	70	High school diploma or equivalent	None	Long-term on-the-job training
49-9062	Medical Equipment Repairers	4	700	770	63	9.0%	30	20	50	Associate's degree	None	Moderate-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	4	130	130	7	5.6%	0	0	10	High school diploma or equivalent	None	Long-term on-the-job training
49-9071	Maintenance and Repair Workers, General	4	10,980	11,480	493	4.5%	250	180	430	High school diploma or equivalent	None	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	4	280	300	18	6.4%	10	0	10	High school diploma or equivalent	None	Short-term on-the-job training
49-9094	Locksmiths and Safe Repairers	4	350	360	15	4.3%	10	10	20	High school diploma or equivalent	None	Long-term on-the-job training
49-9096	Riggers	4	230	250	19	8.4%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	4	1,150	1,220	66	5.7%	30	40	70	High school diploma or equivalent	None	Moderate-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	4	850	890	35	4.1%	20	20	30	High school diploma or equivalent	None	Moderate-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>51-0000</b>	<b>Production Occupations</b>	<b>2</b>	<b>89,590</b>	<b>93,240</b>	<b>3,651</b>	<b>4.1%</b>	<b>1,860</b>	<b>1,800</b>	<b>3,660</b>			
<b>51-1000</b>	<b>Supervisors of Production Workers</b>	<b>3</b>	<b>6,900</b>	<b>7,150</b>	<b>246</b>	<b>3.6%</b>	<b>120</b>	<b>100</b>	<b>220</b>			
51-1011	First-Line Supervisors of Production and Operating Workers	4	6,900	7,150	246	3.6%	120	100	220	Postsecondary non-degree award	Less than 5 years	None
<b>51-2000</b>	<b>Assemblers and Fabricators</b>	<b>3</b>	<b>18,320</b>	<b>19,310</b>	<b>996</b>	<b>5.4%</b>	<b>500</b>	<b>320</b>	<b>820</b>			
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	4	360	390	32	8.8%	20	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	4	2,080	2,120	41	2.0%	20	30	50	High school diploma or equivalent	None	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	4	300	300	7	2.4%	0	0	10	High school diploma or equivalent	None	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	4	1,400	1,460	58	4.1%	30	50	80	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	4	290	310	19	6.6%	10	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2092	Team Assemblers	4	12,000	12,730	736	6.1%	370	200	560	High school diploma or equivalent	None	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	4	1,680	1,770	92	5.5%	50	30	70	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>3</b>	<b>8,600</b>	<b>8,990</b>	<b>397</b>	<b>4.6%</b>	<b>200</b>	<b>220</b>	<b>420</b>			
51-3011	Bakers	4	2,370	2,510	142	6.0%	70	50	130	Less than high school	None	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	4	1,020	1,090	74	7.3%	40	20	60	Less than high school	None	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	4	1,070	1,130	52	4.8%	30	30	50	Less than high school	None	Short-term on-the-job training
51-3023	Slaughterers and Meat Packers	4	1,170	1,200	30	2.6%	20	30	40	Less than high school	None	Short-term on-the-job training
51-3092	Food Batchmakers	4	2,210	2,270	67	3.0%	30	70	100	High school diploma or equivalent	None	Moderate-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	4	310	320	12	3.9%	10	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>51-4000</b>	<b>Metal Workers and Plastic Workers</b>	<b>3</b>	<b>18,170</b>	<b>18,900</b>	<b>731</b>	<b>4.0%</b>	<b>370</b>	<b>350</b>	<b>720</b>			
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	4	730	780	52	7.1%	30	20	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4012	Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	4	70	80	7	9.6%	0	0	10	High school diploma or equivalent	None	Long-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	4	600	630	29	4.9%	10	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	4	90	90	3	3.5%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	4	1,370	1,400	31	2.3%	20	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4	490	500	12	2.4%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4	60	60	-2	-3.2%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4041	Machinists	4	3,870	4,050	176	4.5%	90	90	180	High school diploma or equivalent	None	Long-term on-the-job training
51-4051	Metal-Refining Furnace Operators and Tenders	4	1,100	1,140	41	3.7%	20	20	40	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4061	Model Makers, Metal and Plastic	4	40	40	3	8.6%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	4	1,670	1,720	55	3.3%	30	20	50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	4	1,360	1,420	59	4.3%	30	30	60	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4111	Tool and Die Makers	4	310	330	14	4.5%	10	0	10	High school diploma or equivalent	None	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	4	4,700	4,900	202	4.3%	100	110	220	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	4	220	230	17	7.8%	10	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	4	330	320	-1	-0.3%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>51-5100</b>	<b>Printing Workers</b>	<b>3</b>	<b>3,330</b>	<b>3,370</b>	<b>40</b>	<b>1.2%</b>	<b>20</b>	<b>60</b>	<b>80</b>			
51-5111	Prepress Technicians and Workers	4	380	380	2	0.5%	0	10	10	Postsecondary non-degree award	None	None
51-5112	Printing Press Operators	4	1,930	1,960	28	1.5%	10	30	50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-5113	Print Binding and Finishing Workers	4	1,020	1,030	10	1.0%	10	20	20	High school diploma or equivalent	None	Short-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
<b>51-6000</b>	<b>Textile, Apparel, and Furnishings Workers</b>	<b>3</b>	<b>5,100</b>	<b>5,260</b>	<b>160</b>	<b>3.1%</b>	<b>80</b>	<b>90</b>	<b>170</b>			
51-6011	Laundry and Dry-Cleaning Workers	4	2,100	2,190	94	4.5%	50	60	110	Less than high school	None	Short-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	4	290	300	10	3.5%	10	0	10	Less than high school	None	Short-term on-the-job training
51-6031	Sewing Machine Operators	4	1,400	1,420	17	1.2%	10	10	20	Less than high school	None	Short-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	4	60	60	-1	-1.6%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	4	480	500	14	2.9%	10	10	10	Less than high school	None	Moderate-term on-the-job training
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	4	250	260	6	2.4%	0	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	4	70	70	3	4.6%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6093	Upholsters	4	170	180	9	5.2%	0	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-6099	Textile, Apparel, and Furnishings Workers, All Other	4	150	160	3	2.0%	0	0	0	High school diploma or equivalent	None	Short-term on-the-job training
<b>51-7000</b>	<b>Woodworkers</b>	<b>3</b>	<b>3,150</b>	<b>3,280</b>	<b>128</b>	<b>4.1%</b>	<b>70</b>	<b>30</b>	<b>100</b>			
51-7011	Cabinetmakers and Bench Carpenters	4	1,940	2,070	128	6.6%	60	20	80	High school diploma or equivalent	None	Moderate-term on-the-job training
51-7021	Furniture Finishers	4	230	240	12	5.3%	10	0	10	High school diploma or equivalent	None	Short-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	4	250	240	-5	-2.0%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	4	670	660	-9	-1.3%	0	0	0	High school diploma or equivalent	None	Short-term on-the-job training
<b>51-8000</b>	<b>Plant and System Operators</b>	<b>3</b>	<b>3,010</b>	<b>3,060</b>	<b>58</b>	<b>1.9%</b>	<b>30</b>	<b>100</b>	<b>130</b>			
51-8012	Power Distributors and Dispatchers	4	130	130	1	0.8%	0	0	0	High school diploma or equivalent	None	Long-term on-the-job training
51-8013	Power Plant Operators	4	340	340	-4	-1.2%	0	10	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	4	190	200	3	1.6%	0	10	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8031	Water and Wastewater Treatment Plant and System Operators	4	1,380	1,430	48	3.5%	20	40	70	High school diploma or equivalent	None	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	4	130	130	5	3.9%	0	0	10	High school diploma or equivalent	None	Long-term on-the-job training
51-8092	Gas Plant Operators	4	90	90	-3	-3.3%	0	0	0	High school diploma or equivalent	None	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	4	690	690	4	0.6%	0	20	30	High school diploma or equivalent	None	Long-term on-the-job training
51-8099	Plant and System Operators, All Other	4	60	60	4	7.1%	0	0	0	High school diploma or equivalent	None	Long-term on-the-job training
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>3</b>	<b>23,010</b>	<b>23,910</b>	<b>895</b>	<b>3.9%</b>	<b>470</b>	<b>540</b>	<b>1,000</b>			
51-9011	Chemical Equipment Operators and Tenders	4	510	520	9	1.8%	0	20	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	4	190	200	3	1.6%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	4	210	210	4	1.9%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	4	370	380	12	3.3%	10	10	20	Less than high school	None	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	4	1,570	1,630	59	3.8%	30	40	70	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	4	60	70	2	3.2%	0	0	0	Less than high school	None	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	4	500	500	6	1.2%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	4	470	490	22	4.7%	10	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	4	100	100	2	2.0%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	4	4,470	4,690	219	4.9%	110	100	210	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	4	500	510	17	3.4%	10	10	20	High school diploma or equivalent	None	Long-term on-the-job training
51-9081	Dental Laboratory Technicians	4	680	740	62	9.2%	30	20	50	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9082	Medical Appliance Technicians	4	600	640	48	8.1%	20	20	40	High school diploma or equivalent	None	Long-term on-the-job training
51-9083	Ophthalmic Laboratory Technicians	4	240	250	13	5.4%	10	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	4	4,410	4,600	186	4.2%	90	110	200	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	4	890	910	20	2.3%	10	20	30	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	4	340	370	27	7.9%	10	10	20	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	4	220	230	12	5.6%	10	0	10	Less than high school	None	Moderate-term on-the-job training
51-9141	Semiconductor Processors	4	600	580	-21	-3.5%	0	10	10	Associate's degree	None	Moderate-term on-the-job training
51-9151	Photographic Process Workers and Processing Machine Operators	4	260	270	6	2.3%	0	10	10	High school diploma or equivalent	None	Short-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	4	100	100	2	2.0%	0	0	0	Less than high school	None	Moderate-term on-the-job training
51-9193	Cooling and Freezing Equipment Operators and Tenders	4	140	140	4	2.9%	0	0	10	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9194	Etchers and Engravers	4	80	80	3	4.0%	0	0	0	High school diploma or equivalent	None	Moderate-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	4	620	640	28	4.6%	10	20	30	High school diploma or equivalent	None	Long-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	4	880	860	-19	-2.2%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training

# Utah Occupational Projections 2014-2016

SOC Code	Occupation Title		Employment Estimates				Annual Openings			Preparation		
			2013	2015	Numeric Change	Average Annual Growth Rate	Growth	Replacements	Total	Education	Work Experience	Job Training
51-9198	Helpers--Production Workers	4	2,790	2,890	101	3.6%	50	50	100	Less than high school	None	Short-term on-the-job training
51-9199	Production Workers, All Other	4	1,150	1,220	64	5.6%	30	30	60	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>53-0000</b>	<b>Transportation and Material Moving Occupations</b>	<b>2</b>	<b>85,440</b>	<b>89,400</b>	<b>3,951</b>	<b>4.6%</b>	<b>1,990</b>	<b>1,910</b>	<b>3,900</b>			
<b>53-1000</b>	<b>Supervisors of Transportation and Material Moving Workers</b>	<b>3</b>	<b>3,520</b>	<b>3,680</b>	<b>160</b>	<b>4.6%</b>	<b>80</b>	<b>90</b>	<b>170</b>			
53-1011	Aircraft Cargo Handling Supervisors	4	80	80	3	3.9%	0	0	0	High school diploma or equivalent	Less than 5 years	None
53-1021	First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	4	2,070	2,180	105	5.1%	50	50	100	High school diploma or equivalent	Less than 5 years	None
53-1031	First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle Operators	4	1,370	1,420	52	3.8%	30	30	60	High school diploma or equivalent	Less than 5 years	None
<b>53-2000</b>	<b>Air Transportation Workers</b>	<b>3</b>	<b>3,440</b>	<b>3,570</b>	<b>133</b>	<b>3.9%</b>	<b>70</b>	<b>80</b>	<b>150</b>			
53-2012	Commercial Pilots	4	200	200	9	4.6%	0	10	10	High school diploma or equivalent	None	Moderate-term on-the-job training
<b>53-3000</b>	<b>Motor Vehicle Operators</b>	<b>3</b>	<b>38,900</b>	<b>40,630</b>	<b>1,729</b>	<b>4.4%</b>	<b>870</b>	<b>590</b>	<b>1,450</b>			
53-3021	Bus Drivers, Transit and Intercity	4	910	940	25	2.7%	10	10	30	High school diploma or equivalent	None	Moderate-term on-the-job training
53-3022	Bus Drivers, School or Special Client	4	2,320	2,390	66	2.8%	30	40	70	High school diploma or equivalent	None	Short-term on-the-job training
53-3031	Driver/Sales Workers	4	4,240	4,560	324	7.6%	160	60	230	High school diploma or equivalent	None	Short-term on-the-job training
53-3032	Heavy and Tractor-Trailer Truck Drivers	4	21,360	22,250	886	4.2%	440	330	770	Postsecondary non-degree award	None	Short-term on-the-job training
53-3033	Light Truck or Delivery Services Drivers	4	7,920	8,260	339	4.3%	170	120	290	High school diploma or equivalent	None	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	4	1,880	1,970	90	4.8%	50	20	60	Less than high school	None	Short-term on-the-job training
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>3</b>	<b>2,200</b>	<b>2,330</b>	<b>129</b>	<b>5.9%</b>	<b>60</b>	<b>80</b>	<b>140</b>			
53-6021	Parking Lot Attendants	4	480	500	21	4.4%	10	30	40	Less than high school	None	Short-term on-the-job training
53-6031	Automotive and Watercraft Service Attendants	4	960	1,040	81	8.4%	40	30	70	Less than high school	None	Short-term on-the-job training
53-6099	Transportation Workers, All Other	4	300	310	11	3.7%	10	10	20	High school diploma or equivalent	None	Short-term on-the-job training
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>3</b>	<b>36,450</b>	<b>38,260</b>	<b>1,803</b>	<b>5.0%</b>	<b>920</b>	<b>1,050</b>	<b>1,960</b>			
53-7021	Crane and Tower Operators	4	310	330	27	8.9%	10	10	20	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	4	750	800	47	6.2%	20	10	30	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training
53-7033	Loading Machine Operators, Underground Mining	4	90	90	1	1.1%	0	0	0	Less than high school	None	Short-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	4	3,760	3,850	90	2.4%	50	80	130	Less than high school	None	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	4	3,800	4,040	237	6.2%	120	120	240	Less than high school	None	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	4	18,600	19,600	1,005	5.4%	500	590	1,090	Less than high school	None	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	4	1,060	1,110	52	4.9%	30	20	50	Less than high school	None	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	4	6,740	7,090	358	5.3%	180	180	360	Less than high school	None	Short-term on-the-job training
53-7071	Gas Compressor and Gas Pumping Station Operators	4	50	60	1	1.9%	0	0	0	Less than high school	None	Moderate-term on-the-job training
53-7073	Wellhead Pumpers	4	300	280	-26	-8.6%	0	10	10	Less than high school	Less than 5 years	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	4	620	630	10	1.6%	10	10	20	Less than high school	None	Short-term on-the-job training