

High-Wage, High-Demand, and High-Skill Occupations

Oregon

The Oregon Employment Department, in collaboration with the Oregon Workforce Investment Board (OWIB), Oregon Department of Education, and other partners, developed definitions for high-wage, high-skill, and high-demand occupations as follows:

High-wage Occupations

Occupations paying more than the all-industry, all-ownership median wage for statewide or a particular region.

High-demand Occupations

Occupations having more than the median number of total (growth plus replacement) openings for statewide or a particular region.

High-skill Occupations

Occupations with a typical educational level needed for entry of postsecondary training (non-degree) or higher

OR

Occupations with an apprenticeship as the “typical on-the-job training” level

OR

Occupations typically needing related work experience or long-term OJT for entry and postsecondary training (non-degree) or above as competitive.

There are four separate tables below:

1. High-Wage (region-specific)
2. High-Demand (region-specific)
3. High-Wage and High-Demand (region-specific)
4. High Skill (list produced for statewide only and included in each regional file)

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Oregon High Wage Occupations, 2012-2022

Occupations paying more than the 2013 median wage for the region
(Median wage \$17.60)

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title		2012	2022	Employment	Percent	Growth	Replacement	Total	Median	Typical Entry Level Education
Management, Business, and Financial		Employment	Employment	Change	Change	Openings*	Openings	Openings	Wage	
11-1011	Chief Executives	1,978	2,201	223	11.3%	223	421	644	NA	Bachelor's degree
11-2011	Advertising and Promotions Managers	554	648	94	17.0%	94	171	265	\$38.06	Bachelor's degree
11-2021	Marketing Managers	3,096	3,703	607	19.6%	607	664	1,271	\$44.25	Bachelor's degree
11-2022	Sales Managers	4,102	4,711	609	14.9%	609	880	1,489	\$44.84	Bachelor's degree
11-2031	Public Relations and Fundraising Managers	1,191	1,395	204	17.1%	204	256	460	\$37.94	Bachelor's degree
11-3011	Administrative Services Managers	2,640	3,063	423	16.0%	423	430	853	\$35.86	Bachelor's degree
11-3021	Computer and Information Systems Managers	3,883	4,682	799	20.6%	799	539	1,338	\$52.46	Bachelor's degree
11-3031	Financial Managers	4,948	5,688	740	15.0%	740	928	1,668	\$46.92	Bachelor's degree
11-3051	Industrial Production Managers	2,282	2,544	262	11.5%	262	414	676	\$42.00	Bachelor's degree
11-3061	Purchasing Managers	1,002	1,108	106	10.6%	106	220	326	\$41.63	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	1,564	1,749	185	11.8%	185	357	542	\$36.25	Bachelor's degree
11-3111	Compensation and Benefits Managers	185	197	12	6.5%	12	49	61	\$46.18	Bachelor's degree
11-3121	Human Resources Managers	1,483	1,773	290	19.6%	290	390	680	\$43.85	Bachelor's degree
11-3131	Training and Development Managers	290	334	44	15.2%	44	76	120	\$42.56	Bachelor's degree
11-9021	Construction Managers	2,927	3,673	746	25.5%	746	461	1,207	\$38.05	Associate's degree
11-9031	Preschool and Child Care Administrators	669	788	119	17.8%	119	178	297	\$20	Associate's degree
11-9032	Elementary and Secondary School Administrators	2,068	2,313	245	11.9%	245	550	795	\$98,407	Master's degree
11-9033	Postsecondary School Administrators	1,859	2,145	286	15.4%	286	494	780	\$36.54	Master's degree
11-9039	Education Administrators, All Other	524	614	90	17.2%	90	139	229	\$29.38	Master's degree
11-9041	Architectural and Engineering Managers	2,689	3,110	421	15.7%	421	660	1,081	\$62.43	Bachelor's degree
11-9051	Food Service Managers	2,767	3,254	487	17.6%	487	494	981	\$21.10	High school diploma or equivalent
11-9061	Funeral Service Managers	207	230	23	11.1%	23	44	67	\$33.53	Associate's degree
11-9071	Gaming Managers	62	73	11	17.7%	11	13	24	\$33	Associate's degree
11-9081	Lodging Managers	751	832	81	10.8%	81	231	312	\$21.08	High school diploma or equivalent
11-9111	Medical and Health Services Managers	3,434	4,070	636	18.5%	636	834	1,470	\$46.45	Bachelor's degree
11-9121	Natural Sciences Managers	1,065	1,174	109	10.2%	109	221	330	\$46.78	Bachelor's degree
11-9131	Postmasters and Mail Superintendents	300	242	-58	-19.3%	0	66	66	\$30.70	High school diploma or equivalent
11-9141	Property, Real Estate, and Community Association Managers	2,752	3,183	431	15.7%	431	622	1,053	\$27.08	High school diploma or equivalent
11-9151	Social and Community Service Managers	2,984	3,462	478	16.0%	478	615	1,093	\$27.94	Bachelor's degree
11-9161	Emergency Management Directors	130	147	17	13.1%	17	18	35	\$35.87	Bachelor's degree
11-9199	Managers, All Other	6,424	7,365	941	14.7%	941	1,406	2,347	\$40.27	Bachelor's degree
11-1021	General and Operations Managers	21,064	24,619	3,555	16.9%	3,555	3,941	7,496	\$39.97	Bachelor's degree
13-1011	Agents and Business Managers of Artists, Performers, and Athletes	71	84	13	18.3%	13	16	29	NA	Bachelor's degree
13-1021	Buyers and Purchasing Agents, Farm Products	424	486	62	14.6%	62	81	143	\$29.53	Bachelor's degree
13-1022	Wholesale and Retail Buyers, Except Farm Products	2,306	2,613	307	13.3%	307	575	882	\$21.64	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,096	3,472	376	12.1%	376	560	936	\$26.89	Bachelor's degree
13-1031	Claims Adjusters, Examiners, and Investigators	2,982	3,224	242	8.1%	242	690	932	\$32.03	High school diploma or equivalent
13-1032	Insurance Appraisers, Auto Damage	57	56	-1	-1.8%	0	13	13	NA	High school diploma or equivalent
13-1041	Compliance Officers, Except Agriculture, Construction, and Health and Safety	2,378	2,642	264	11.1%	264	439	703	\$29.25	Bachelor's degree
13-1051	Cost Estimators	2,958	3,789	831	28.1%	831	950	1,781	\$30.73	Bachelor's degree
13-1071	Human Resources Specialists	6,180	6,975	795	12.9%	795	1,129	1,924	\$25.49	Bachelor's degree
13-1075	Labor Relations Specialists	1,317	1,303	-14	-1.1%	0	241	241	\$31.67	Bachelor's degree
13-1081	Logisticians	834	1,054	220	26.4%	220	96	316	\$34.13	Bachelor's degree
13-1111	Management Analysts	3,842	4,368	526	13.7%	526	595	1,121	\$34.13	Bachelor's degree
13-1121	Meeting, Convention, and Event Planners	889	1,211	322	36.2%	322	122	444	\$20.78	Bachelor's degree
13-1131	Fundraisers	478	567	89	18.6%	89	94	183	\$21.80	Bachelor's degree

*Occupations with declining employment have zero growth openings

NA Median wages not available

Annual wages represent a partial work year, e.g.school year

† Statewide wages

Oregon High Wage Occupations, 2012-2022

Occupations paying more than the 2013 median wage for the region
(Median wage \$17.60)

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title		2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
13-1141	Compensation, Benefits, and Job Analysis Specialists	909	1,000	91	10.0%	91	166	257	\$25.67	Bachelor's degree
13-1151	Training and Development Specialists	3,098	3,676	578	18.7%	578	566	1,144	\$23.58	Bachelor's degree
13-1161	Market Research Analysts and Marketing Specialists	2,390	3,294	904	37.8%	904	328	1,232	\$28.65	Bachelor's degree
13-1199	Business Operations Specialists, All Other	14,141	16,121	1,980	14.0%	1,980	1,938	3,918	\$27.83	Bachelor's degree
13-2011	Accountants and Auditors	11,643	13,615	1,972	16.9%	1,972	3,446	5,418	\$28.48	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	1,051	1,162	111	10.6%	111	94	205	\$26.16	Postsecondary non-degree award
13-2031	Budget Analysts	728	791	63	8.7%	63	292	355	\$32.42	Bachelor's degree
13-2041	Credit Analysts	668	804	136	20.4%	136	166	302	\$29.11	Bachelor's degree
13-2051	Financial Analysts	1,866	2,348	482	25.8%	482	454	936	\$42.40	Bachelor's degree
13-2052	Personal Financial Advisors	869	1,172	303	34.9%	303	140	443	\$21.85	Bachelor's degree
13-2053	Insurance Underwriters	846	828	-18	-2.1%	0	230	230	\$33.31	Bachelor's degree
13-2061	Financial Examiners	278	318	40	14.4%	40	71	111	\$32.69	Bachelor's degree
13-2071	Credit Counselors	566	676	110	19.4%	110	104	214	\$19.30	Bachelor's degree
13-2072	Loan Officers	3,692	4,293	601	16.3%	601	676	1,277	\$31.21	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	649	694	45	6.9%	45	223	268	\$22.43	Bachelor's degree
13-2082	Tax Preparers	1,351	1,459	108	8.0%	108	275	383	\$18.75	Postsecondary non-degree award
13-2099	Financial Specialists, All Other	1,706	1,977	271	15.9%	271	179	450	\$29.60	Bachelor's degree
Professional and Related										
15-1111	Computer and Information Research Scientists	85	108	23	27.1%	23	13	36	\$38.91	Doctoral or professional degree
15-1121	Computer Systems Analysts	4,794	6,110	1,316	27.5%	1,316	753	2,069	\$39.31	Bachelor's degree
15-1122	Information Security Analysts	170	221	51	30.0%	51	27	78	\$36.70	Bachelor's degree
15-1131	Computer Programmers	2,999	3,344	345	11.5%	345	783	1,128	\$35.34	Bachelor's degree
15-1132	Software Developers, Applications	7,563	9,610	2,047	27.1%	2,047	970	3,017	\$42.05	Bachelor's degree
15-1133	Software Developers, Systems Software	3,471	4,015	544	15.7%	544	445	989	\$49.01	Bachelor's degree
15-1134	Web Developers	1,011	1,281	270	26.7%	270	159	429	\$29.63	Bachelor's degree
15-1141	Database Administrators	1,273	1,478	205	16.1%	205	241	446	\$37.47	Bachelor's degree
15-1142	Network and Computer Systems Administrators	4,670	5,474	804	17.2%	804	734	1,538	\$32.61	Bachelor's degree
15-1143	Computer Network Architects	714	804	90	12.6%	90	112	202	\$47.40	Bachelor's degree
15-1151	Computer User Support Specialists	7,779	9,647	1,868	24.0%	1,868	1,222	3,090	\$22.69	Postsecondary non-degree award
15-1152	Computer Network Support Specialists	997	1,038	41	4.1%	41	157	198	\$27.36	Bachelor's degree
15-1199	Computer Occupations, All Other	5,003	5,911	908	18.2%	908	786	1,694	\$35.13	Postsecondary non-degree award
15-2011	Actuaries	120	156	36	30.0%	36	34	70	\$42.71	Bachelor's degree
15-2031	Operations Research Analysts	397	507	110	27.7%	110	89	199	\$36.25	Bachelor's degree
15-2041	Statisticians	503	612	109	21.7%	109	159	268	\$29.80	Bachelor's degree
15-2099	Mathematical Scientists, All Other	42	47	5	11.9%	5	10	15	NA	Bachelor's degree
17-1011	Architects, Except Landscape and Naval	1,357	1,637	280	20.6%	280	322	602	\$32.69	Bachelor's degree
17-1012	Landscape Architects	249	301	52	20.9%	52	59	111	\$27.99	Bachelor's degree
17-1021	Cartographers and Photogrammetrists	393	482	89	22.7%	89	83	172	\$27.83	Bachelor's degree
17-1022	Surveyors	645	712	67	10.4%	67	137	204	\$30.44	Bachelor's degree
17-2011	Aerospace Engineers	123	153	30	24.4%	30	29	59	\$43.07	Bachelor's degree
17-2021	Agricultural Engineers	39	45	6	15.4%	6	10	16	NA	Bachelor's degree
17-2031	Biomedical Engineers	115	143	28	24.4%	28	29	57	\$40.41	Bachelor's degree
17-2041	Chemical Engineers	253	319	66	26.1%	66	59	125	\$40.70	Bachelor's degree
17-2051	Civil Engineers	3,382	4,049	667	19.7%	667	822	1,489	\$37.13	Bachelor's degree
17-2061	Computer Hardware Engineers	3,445	3,993	548	15.9%	548	743	1,291	NA	Bachelor's degree
17-2071	Electrical Engineers	1,324	1,550	226	17.1%	226	289	515	\$43.83	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	1,781	2,034	253	14.2%	253	389	642	\$47.54	Bachelor's degree

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17-2081	Environmental Engineers	458	544	86	18.8%	86	112	198	\$38.97	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	182	202	20	11.0%	20	53	73	\$38	Bachelor's degree
17-2112	Industrial Engineers	3,447	3,832	385	11.2%	385	1,008	1,393	\$46.42	Bachelor's degree
17-2131	Materials Engineers	404	457	53	13.1%	53	127	180	\$41.41	Bachelor's degree
17-2141	Mechanical Engineers	2,610	3,006	396	15.2%	396	891	1,287	\$39.59	Bachelor's degree
17-2199	Engineers, All Other	2,244	2,533	289	12.9%	289	413	702	\$44.79	Bachelor's degree
17-3011	Architectural and Civil Drafters	1,267	1,301	34	2.7%	34	169	203	\$22.81	Postsecondary non-degree award
17-3012	Electrical and Electronics Drafters	255	291	36	14.1%	36	34	70	\$25.56	Postsecondary non-degree award
17-3013	Mechanical Drafters	667	697	30	4.5%	30	89	119	\$23.99	Postsecondary non-degree award
17-3019	Drafters, All Other	416	498	82	19.7%	82	55	137	\$22.46	Postsecondary non-degree award
17-3022	Civil Engineering Technicians	935	1,003	68	7.3%	68	194	262	\$28.34	Associate's degree
17-3023	Electrical and Electronics Engineering Technicians	2,777	2,989	212	7.6%	212	575	787	\$27.84	Associate's degree
17-3024	Electro-Mechanical Technicians	280	309	29	10.4%	29	58	87	\$22.61	Associate's degree
17-3025	Environmental Engineering Technicians	182	201	19	10.4%	19	38	57	\$29.82	Associate's degree
17-3026	Industrial Engineering Technicians	2,371	2,387	16	0.7%	16	491	507	NA	Associate's degree
17-3027	Mechanical Engineering Technicians	437	516	79	18.1%	79	91	170	\$23.94	Associate's degree
17-3029	Engineering Technicians, Except Drafters, All Other	1,668	1,786	118	7.1%	118	345	463	\$26.91	Associate's degree
17-3031	Surveying and Mapping Technicians	885	1,032	147	16.6%	147	159	306	\$22.56	High school diploma or equivalent
19-1012	Food Scientists and Technologists	215	262	47	21.9%	47	72	119	\$29.25	Bachelor's degree
19-1013	Soil and Plant Scientists	622	712	90	14.5%	90	207	297	\$28.38	Bachelor's degree
19-1021	Biochemists and Biophysicists	109	133	24	22.0%	24	31	55	\$31.15	Master's degree
19-1022	Microbiologists	109	122	13	11.9%	13	31	44	\$28.43	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	1,308	1,507	199	15.2%	199	373	572	\$30.13	Bachelor's degree
19-1029	Biological Scientists, All Other	879	956	77	8.8%	77	251	328	\$33.60	Bachelor's degree
19-1031	Conservation Scientists	492	546	54	11.0%	54	143	197	\$32	Bachelor's degree
19-1032	Foresters	819	904	85	10.4%	85	238	323	\$30.14	Bachelor's degree
19-1041	Epidemiologists	35	36	1	2.9%	1	7	8	\$32.76	Doctoral or professional degree
19-1042	Medical Scientists, Except Epidemiologists	1,068	1,248	180	16.9%	180	225	405	\$39.40	Doctoral or professional degree
19-1099	Life Scientists, All Other	199	225	26	13.1%	26	42	68	\$29.81	Bachelor's degree
19-2011	Astronomers	1	1	0	0.0%	0	0	0	NA	Master's degree
19-2012	Physicists	94	109	15	16.0%	15	23	38	\$61.03	Master's degree
19-2021	Atmospheric and Space Scientists	123	136	13	10.6%	13	30	43	\$46.06	Bachelor's degree
19-2031	Chemists	683	812	129	18.9%	129	177	306	\$29.44	Bachelor's degree
19-2032	Materials Scientists	58	64	6	10.3%	6	15	21	\$48.12	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	1,146	1,338	192	16.8%	192	338	530	\$34.32	Bachelor's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	351	440	89	25.4%	89	103	192	\$30.80	Bachelor's degree
19-2043	Hydrologists	243	280	37	15.2%	37	72	109	\$39.22	Bachelor's degree
19-2099	Physical Scientists, All Other	586	657	71	12.1%	71	122	193	\$49.65	Bachelor's degree
19-3011	Economists	365	446	81	22.2%	81	109	190	\$36.62	Bachelor's degree
19-3022	Survey Researchers	177	256	79	44.6%	79	24	103	NA	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	1,147	1,375	228	19.9%	228	312	540	\$32.59	Master's degree
19-3039	Psychologists, All Other	238	297	59	24.8%	59	65	124	\$42.71	Master's degree
19-3051	Urban and Regional Planners	1,023	1,163	140	13.7%	140	460	600	\$34.95	Bachelor's degree
19-3091	Anthropologists and Archeologists	226	315	89	39.4%	89	38	127	\$32.58	Bachelor's degree
19-3092	Geographers	43	59	16	37.2%	16	7	23	\$39.06	Bachelor's degree
19-3093	Historians	16	20	4	25.0%	4	3	7	\$31.19	Master's degree
19-3099	Social Scientists and Related Workers, All Other	525	644	119	22.7%	119	87	206	\$36.97	Bachelor's degree

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19-4021 Biological Technicians	2,626	3,002	376	14.3%	376	787	1,163	\$17.63	Associate's degree
19-4031 Chemical Technicians	482	613	131	27.2%	131	119	250	\$23.24	Associate's degree
19-4041 Geological and Petroleum Technicians	26	34	8	30.8%	8	9	17	NA	Associate's degree
19-4061 Social Science Research Assistants	490	629	139	28.4%	139	193	332	\$18.09	Postsecondary non-degree award
19-4091 Environmental Science and Protection Technicians, Including Health	340	406	66	19.4%	66	134	200	\$24.54	Associate's degree
19-4092 Forensic Science Technicians	203	218	15	7.4%	15	80	95	\$28.15	Bachelor's degree
19-4099 Life, Physical, and Social Science Technicians, All Other	1,245	1,452	207	16.6%	207	489	696	\$23.50	Associate's degree
21-1011 Substance Abuse and Behavioral Disorder Counselors	1,527	1,862	335	21.9%	335	325	660	\$20.06	High school diploma or equivalent
21-1012 Educational, Guidance, School, and Vocational Counselors	2,781	3,164	383	13.8%	383	591	974	\$25.73	Master's degree
21-1013 Marriage and Family Therapists	458	591	133	29.0%	133	97	230	\$25.80	Master's degree
21-1014 Mental Health Counselors	1,916	2,282	366	19.1%	366	407	773	\$22.95	Master's degree
21-1019 Counselors, All Other	224	259	35	15.6%	35	48	83	NA	Master's degree
21-1021 Child, Family, and School Social Workers	3,448	3,888	440	12.8%	440	730	1,170	\$20.36	Bachelor's degree
21-1022 Healthcare Social Workers	1,328	1,559	231	17.4%	231	281	512	\$28.38	Bachelor's degree
21-1023 Mental Health and Substance Abuse Social Workers	2,172	2,555	383	17.6%	383	460	843	\$18.58	Master's degree
21-1029 Social Workers, All Other	1,573	1,767	194	12.3%	194	333	527	\$21.91	Bachelor's degree
21-1091 Health Educators	760	879	119	15.7%	119	199	318	\$24.67	Bachelor's degree
21-1092 Probation Officers and Correctional Treatment Specialists	1,779	1,907	128	7.2%	128	465	593	\$25.02	Bachelor's degree
21-1094 Community Health Workers	287	328	41	14.3%	41	75	116	\$18.83	Postsecondary non-degree award
21-1099 Community and Social Service Specialists, All Other	1,138	1,293	155	13.6%	155	298	453	\$18.27	High school diploma or equivalent
21-2011 Clergy	3,738	3,954	216	5.8%	216	765	981	\$21.22	Bachelor's degree
23-1011 Lawyers	5,067	5,830	763	15.1%	763	811	1,574	\$45.59	Doctoral or professional degree
23-1021 Administrative Law Judges, Adjudicators, and Hearing Officers	357	372	15	4.2%	15	57	72	\$31.15	Doctoral or professional degree
23-1022 Arbitrators, Mediators, and Conciliators	89	102	13	14.6%	13	14	27	\$27.05	Bachelor's degree
23-1023 Judges, Magistrate Judges, and Magistrates	365	385	20	5.5%	20	58	78	NA	Doctoral or professional degree
23-2011 Paralegals and Legal Assistants	2,155	2,626	471	21.9%	471	350	821	\$24.42	Associate's degree
23-2091 Court Reporters	107	104	-3	-2.8%	0	17	17	NA	Postsecondary non-degree award
23-2093 Title Examiners, Abstractors, and Searchers	1,063	1,194	131	12.3%	131	173	304	\$24.27	High school diploma or equivalent
23-2099 Legal Support Workers, All Other	400	442	42	10.5%	42	65	107	\$23.31	Postsecondary non-degree award
25-1199 Postsecondary Teachers, Except Graduate Teaching Assistants	19,934	22,765	2,831	14.2%	2,831	2,996	5,827	\$64.148	Master's degree
25-2012 Kindergarten Teachers, Except Special Education	1,451	1,654	203	14.0%	203	407	610	\$52,836	Bachelor's degree
25-2021 Elementary School Teachers, Except Special Education	13,423	15,151	1,728	12.9%	1,728	2,953	4,681	\$56,779	Bachelor's degree
25-2022 Middle School Teachers, Except Special and Career/Technical Education	6,557	7,396	839	12.8%	839	1,443	2,282	\$56,275	Bachelor's degree
25-2023 Career/Technical Education Teachers, Middle School	92	103	11	12.0%	11	20	31	NA	Bachelor's degree
25-2031 Secondary School Teachers, Except Special and Career/Technical Education	10,790	12,089	1,299	12.0%	1,299	2,932	4,231	\$56,268	Bachelor's degree
25-2032 Career/Technical Education Teachers, Secondary School	258	288	30	11.6%	30	70	100	\$57,342	Bachelor's degree
25-2051 Special Education Teachers, Preschool	77	85	8	10.4%	8	13	21	\$60,774	Bachelor's degree
25-2052 Special Education Teachers, Kindergarten and Elementary School	1,557	1,754	197	12.7%	197	266	463	\$56,708	Bachelor's degree
25-2053 Special Education Teachers, Middle School	678	759	81	12.0%	81	116	197	\$57,552	Bachelor's degree
25-2054 Special Education Teachers, Secondary School	1,414	1,585	171	12.1%	171	241	412	\$60,150	Bachelor's degree
25-2059 Special Education Teachers, All Other	79	88	9	11.4%	9	13	22	\$56,570	Bachelor's degree
25-3011 Adult Basic and Secondary Education and Literacy Teachers and Instructors	700	815	115	16.4%	115	119	234	\$22.29	Bachelor's degree
25-3099 Teachers and Instructors, All Other	6,033	6,850	817	13.5%	817	1,030	1,847	\$45,120	Bachelor's degree
25-4011 Archivists	55	61	6	10.9%	6	12	18	\$25.76	Master's degree
25-4012 Curators	120	132	12	10.0%	12	26	38	\$21.09	Master's degree
25-4021 Librarians	1,789	1,983	194	10.8%	194	403	597	\$28.80	Master's degree
25-9021 Farm and Home Management Advisors	169	186	17	10.1%	17	14	31	\$30.77	Bachelor's degree

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25-9031	Instructional Coordinators	1,622	1,894	272	16.8%	272	139	411	\$30.87	Bachelor's degree
27-1011	Art Directors	436	544	108	24.8%	108	103	211	\$29.44	Bachelor's degree
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	151	179	28	18.5%	28	36	64	\$21.41	High school diploma or equivalent
27-1014	Multimedia Artists and Animators	645	866	221	34.3%	221	153	374	\$26.89	Bachelor's degree
27-1021	Commercial and Industrial Designers	216	259	43	19.9%	43	57	100	\$31.02	Bachelor's degree
27-1022	Fashion Designers	343	417	74	21.6%	74	91	165	\$26.91	Bachelor's degree
27-1024	Graphic Designers	2,588	3,091	503	19.4%	503	685	1,188	\$21.68	Associate's degree
27-1025	Interior Designers	492	610	118	24.0%	118	130	248	\$24.38	Associate's degree
27-1026	Merchandise Displayers and Window Trimmers	1,135	1,375	240	21.2%	240	300	540	\$17.93	High school diploma or equivalent
27-1027	Set and Exhibit Designers	109	133	24	22.0%	24	29	53	\$24.09	Bachelor's degree
27-1029	Designers, All Other	186	228	42	22.6%	42	49	91	NA	Bachelor's degree
27-2011	Actors	218	263	45	20.6%	45	70	115	NA	High school diploma or equivalent
27-2012	Producers and Directors	977	1,150	173	17.7%	173	330	503	\$53,075	Bachelor's degree
27-2041	Music Directors and Composers	684	724	40	5.9%	40	184	224	\$42,846	Bachelor's degree
27-2042	Musicians and Singers	1,159	1,287	128	11.0%	128	312	440	\$25.69	High school diploma or equivalent
27-3021	Broadcast News Analysts	76	68	-8	-10.5%	0	26	26	NA	Bachelor's degree
27-3031	Public Relations Specialists	2,220	2,570	350	15.8%	350	304	654	\$26.46	Bachelor's degree
27-3041	Editors	971	1,049	78	8.0%	78	236	314	\$23.81	Bachelor's degree
27-3042	Technical Writers	692	831	139	20.1%	139	212	351	\$38.26	Bachelor's degree
27-3043	Writers and Authors	531	626	95	17.9%	95	115	210	\$26.22	Bachelor's degree
27-3091	Interpreters and Translators	833	1,110	277	33.3%	277	114	391	\$20.46	High school diploma or equivalent
27-3099	Media and Communication Workers, All Other	477	549	72	15.1%	72	65	137	\$24.23	Bachelor's degree
27-4011	Audio and Video Equipment Technicians	605	734	129	21.3%	129	109	238	\$17.72	Postsecondary non-degree award
27-4031	Camera Operators, Television, Video, and Motion Picture	237	281	44	18.6%	44	18	62	\$22.26	High school diploma or equivalent
27-4099	Media and Communication Equipment Workers, All Other	234	277	43	18.4%	43	29	72	\$18.54	High school diploma or equivalent
Health Care										
29-1011	Chiropractors	459	566	107	23.3%	107	90	197	NA	Doctoral or professional degree
29-1021	Dentists, General	1,167	1,296	129	11.1%	129	285	414	NA	Doctoral or professional degree
29-1029	Dentists, All Other Specialists	296	325	29	9.8%	29	72	101	NA	Doctoral or professional degree
29-1031	Dietitians and Nutritionists	586	684	98	16.7%	98	70	168	\$30.10	Bachelor's degree
29-1041	Optometrists	404	550	146	36.1%	146	117	263	\$49.13	Doctoral or professional degree
29-1051	Pharmacists	3,506	4,144	638	18.2%	638	837	1,475	\$58.43	Doctoral or professional degree
29-1060	Physicians and Surgeons	8,185	9,862	1,677	20.5%	1,677	2,049	3,726	NA	Doctoral or professional degree
29-1071	Physician Assistants	931	1,291	360	38.7%	360	167	527	\$48.63	Master's degree
29-1081	Podiatrists	64	89	25	39.1%	25	13	38	NA	Doctoral or professional degree
29-1122	Occupational Therapists	1,084	1,336	252	23.3%	252	147	399	\$37.98	Master's degree
29-1123	Physical Therapists	2,362	3,025	663	28.1%	663	581	1,244	\$39.02	Doctoral or professional degree
29-1124	Radiation Therapists	166	193	27	16.3%	27	34	61	\$42.77	Associate's degree
29-1125	Recreational Therapists	131	160	29	22.1%	29	27	56	\$26.27	Bachelor's degree
29-1126	Respiratory Therapists	1,175	1,333	158	13.5%	158	170	328	\$29.62	Associate's degree
29-1127	Speech-Language Pathologists	952	1,133	181	19.0%	181	144	325	\$33.52	Master's degree
29-1128	Exercise Physiologists	37	38	1	2.7%	1	4	5	\$23.15	Bachelor's degree
29-1129	Therapists, All Other	99	121	22	22.2%	22	12	34	NA	Bachelor's degree
29-1131	Veterinarians	1,069	1,288	219	20.5%	219	343	562	\$39.39	Doctoral or professional degree
29-1141	Registered Nurses	30,677	35,636	4,959	16.2%	4,959	5,948	10,907	\$38.48	Associate's degree
29-1151	Nurse Anesthetists	178	225	47	26.4%	47	35	82	\$82.74	Master's degree
29-1161	Nurse Midwives	171	235	64	37.4%	64	33	97	\$38.19	Master's degree

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29-1171	Nurse Practitioners	958	1,215	257	26.8%	257	186	443	\$48.76	Master's degree
29-1181	Audiologists	220	293	73	33.2%	73	45	118	\$37.65	Master's degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	383	499	116	30.3%	116	79	195	\$30.74	Doctoral or professional degree
29-2011	Medical and Clinical Laboratory Technologists	1,683	1,899	216	12.8%	216	441	657	\$32.50	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	1,098	1,376	278	25.3%	278	288	566	\$23.17	Postsecondary non-degree award
29-2021	Dental Hygienists	3,356	3,975	619	18.4%	619	859	1,478	\$39.55	Associate's degree
29-2031	Cardiovascular Technologists and Technicians	630	796	166	26.4%	166	89	255	\$33.62	Associate's degree
29-2032	Diagnostic Medical Sonographers	469	648	179	38.2%	179	66	245	\$40.33	Associate's degree
29-2033	Nuclear Medicine Technologists	170	203	33	19.4%	33	24	57	\$40	Associate's degree
29-2034	Radiologic Technologists	1,979	2,323	344	17.4%	344	279	623	\$31.04	Associate's degree
29-2035	Magnetic Resonance Imaging Technologists	222	262	40	18.0%	40	31	71	\$37.31	Associate's degree
29-2041	Emergency Medical Technicians and Paramedics	1,841	2,156	315	17.1%	315	502	817	\$17.91	Postsecondary non-degree award
29-2053	Psychiatric Technicians	478	586	108	22.6%	108	47	155	\$17.99	Postsecondary non-degree award
29-2055	Surgical Technologists	990	1,204	214	21.6%	214	98	312	\$23.30	Postsecondary non-degree award
29-2061	Licensed Practical and Licensed Vocational Nurses	2,705	3,242	537	19.9%	537	660	1,197	\$23.14	Postsecondary non-degree award
29-2071	Medical Records and Health Information Technicians	3,014	3,630	616	20.4%	616	797	1,413	\$18.78	Postsecondary non-degree award
29-2091	Orthotists and Prosthetists	106	137	31	29.3%	31	10	41	\$24.11	Bachelor's degree
29-2092	Hearing Aid Specialists	116	136	20	17.2%	20	11	31	\$25.81	High school diploma or equivalent
29-2099	Health Technologists and Technicians, All Other	1,546	1,873	327	21.2%	327	153	480	\$20.62	Postsecondary non-degree award
29-9011	Occupational Health and Safety Specialists	946	1,057	111	11.7%	111	257	368	\$31.22	Bachelor's degree
29-9012	Occupational Health and Safety Technicians	65	70	5	7.7%	5	18	23	\$23.12	Bachelor's degree
29-9091	Athletic Trainers	207	250	43	20.8%	43	56	99	\$42,965	Bachelor's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	811	964	153	18.9%	153	221	374	\$30.84	Associate's degree
31-2011	Occupational Therapy Assistants	180	233	53	29.4%	53	45	98	\$27.28	Associate's degree
31-2021	Physical Therapist Assistants	582	768	186	32.0%	186	129	315	\$26.80	Associate's degree
31-9011	Massage Therapists	1,689	2,126	437	25.9%	437	179	616	\$22.00	Postsecondary non-degree award
31-9091	Dental Assistants	4,476	4,962	486	10.9%	486	928	1,414	\$18.87	Postsecondary non-degree award
31-9093	Medical Equipment Preparers	1,207	1,381	174	14.4%	174	230	404	\$17.69	Postsecondary non-degree award
31-9094	Medical Transcriptionists	1,237	1,365	128	10.4%	128	236	364	\$19.34	Postsecondary non-degree award
Service										
33-1011	Supervisors and Managers of Correctional Officers	459	493	34	7.4%	34	159	193	\$34.81	High school diploma or equivalent
33-1012	Supervisors and Managers of Police and Detectives	1,155	1,256	101	8.7%	101	341	442	\$42.80	High school diploma or equivalent
33-1021	Supervisors and Managers of Fire Fighting and Prevention Workers	1,104	1,211	107	9.7%	107	471	578	\$39.54	High school diploma or equivalent
33-1099	Supervisors and Managers of Protective Service Workers, All Other	671	782	111	16.5%	111	152	263	\$22.45	High school diploma or equivalent
33-2011	Firefighters	3,715	4,076	361	9.7%	361	1,013	1,374	\$29.73	Postsecondary non-degree award
33-2021	Fire Inspectors and Investigators	141	154	13	9.2%	13	41	54	\$38.98	Postsecondary non-degree award
33-2022	Forest Fire Inspectors and Prevention Specialists	64	69	5	7.8%	5	19	24	NA	High school diploma or equivalent
33-3011	Bailiffs	94	103	9	9.6%	9	25	34	\$20.36	High school diploma or equivalent
33-3012	Correctional Officers and Jailers	4,104	4,360	256	6.2%	256	1,090	1,346	\$26.09	High school diploma or equivalent
33-3021	Detectives and Criminal Investigators	826	883	57	6.9%	57	182	239	\$34.70	Associate's degree
33-3041	Parking Enforcement Workers	104	113	9	8.7%	9	30	39	\$22.48	High school diploma or equivalent
33-3051	Police and Sheriff's Patrol Officers	4,574	4,964	390	8.5%	390	1,434	1,824	\$31.54	High school diploma or equivalent
33-9011	Animal Control Workers	105	118	13	12.4%	13	24	37	\$20.44	High school diploma or equivalent
33-9021	Private Detectives and Investigators	261	308	47	18.0%	47	73	120	\$18	Associate's degree
33-9093	Transportation Security Screeners	538	559	21	3.9%	21	124	145	\$18.24	High school diploma or equivalent
33-9099	Protective Service Workers, All Other	1,121	1,234	113	10.1%	113	767	880	\$17.85	High school diploma or equivalent
35-1011	Chefs and Head Cooks	1,281	1,493	212	16.6%	212	208	420	\$18.14	Postsecondary non-degree award

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37-1012	Supervisors and Managers of Landscaping and Groundskeeping Workers	1,176	1,436	260	22.1%	260	134	394	\$19.97	High school diploma or equivalent
37-2021	Pest Control Workers	892	1,214	322	36.1%	322	242	564	\$18.03	High school diploma or equivalent
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1,122	1,359	237	21.1%	237	283	520	\$18.54	High school diploma or equivalent
37-3013	Tree Trimmers and Pruners	1,216	1,536	320	26.3%	320	307	627	\$18.55	High school diploma or equivalent
37-3019	Grounds Maintenance Workers, All Other	364	422	58	15.9%	58	92	150	\$17.65	Less than high school
39-1011	Gaming Supervisors	178	218	40	22.5%	40	36	76	\$23.02	High school diploma or equivalent
39-2011	Animal Trainers	152	210	58	38.2%	58	67	125	\$17.87	High school diploma or equivalent
39-4031	Morticians, Undertakers, and Funeral Directors	149	166	17	11.4%	17	32	49	\$26.76	Associate's degree
39-5094	Skincare Specialists	297	467	170	57.2%	170	25	195	NA	Postsecondary non-degree award
Sales and Related										
41-1012	Supervisors and Managers of Non-Retail Sales Workers	3,683	4,200	517	14.0%	517	470	987	\$28.38	High school diploma or equivalent
41-3011	Advertising Sales Agents	1,408	1,467	59	4.2%	59	433	492	\$21.50	High school diploma or equivalent
41-3021	Insurance Sales Agents	3,221	3,547	326	10.1%	326	758	1,084	\$25.64	Postsecondary non-degree award
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,716	3,120	404	14.9%	404	635	1,039	\$25.38	Bachelor's degree
41-3099	Sales Representatives, Services, All Other	6,196	7,273	1,077	17.4%	1,077	1,692	2,769	\$24.62	High school diploma or equivalent
41-4011	Wholesale and Manufacturing Sales Representatives, Technical and Scientific Products	5,185	6,037	852	16.4%	852	1,011	1,863	\$36.61	Bachelor's degree
41-4012	Wholesale and Manufacturing Sales Representatives, Except Technical and Scientific Products	15,703	18,157	2,454	15.6%	2,454	3,061	5,515	\$25.60	High school diploma or equivalent
41-9021	Real Estate Brokers	5,273	6,415	1,142	21.7%	1,142	496	1,638	\$28.47	Postsecondary non-degree award
41-9031	Sales Engineers	1,063	1,215	152	14.3%	152	186	338	\$48.02	Bachelor's degree
Office and Administrative Support										
43-1011	Supervisors and Managers of Office and Administrative Support Workers	14,619	16,894	2,275	15.6%	2,275	3,469	5,744	\$23.09	High school diploma or equivalent
43-3051	Payroll and Timekeeping Clerks	2,576	2,964	388	15.1%	388	566	954	\$19.71	High school diploma or equivalent
43-3061	Procurement Clerks	643	703	60	9.3%	60	233	293	\$19.53	High school diploma or equivalent
43-4011	Brokerage Clerks	541	595	54	10.0%	54	140	194	\$19.44	High school diploma or equivalent
43-4031	Court, Municipal, and License Clerks	1,860	1,972	112	6.0%	112	286	398	\$19.60	High school diploma or equivalent
43-4041	Credit Authorizers, Checkers, and Clerks	394	410	16	4.1%	16	46	62	\$17.87	High school diploma or equivalent
43-4061	Eligibility Interviewers, Government Programs	1,196	1,291	95	7.9%	95	240	335	\$17.84	High school diploma or equivalent
43-4131	Loan Interviewers and Clerks	2,054	2,396	342	16.7%	342	137	479	\$18.89	High school diploma or equivalent
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,589	1,682	93	5.9%	93	401	494	\$18.70	High school diploma or equivalent
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	1,117	1,125	8	0.7%	8	148	156	\$18.06	High school diploma or equivalent
43-5011	Cargo and Freight Agents	863	1,034	171	19.8%	171	233	404	\$22.04	High school diploma or equivalent
43-5031	Police, Fire, and Ambulance Dispatchers	976	1,073	97	9.9%	97	282	379	\$24.39	High school diploma or equivalent
43-5032	Dispatchers, Except Police, Fire, and Ambulance	2,563	2,919	356	13.9%	356	739	1,095	\$17.61	High school diploma or equivalent
43-5041	Meter Readers, Utilities	463	394	-69	-14.9%	0	116	116	\$20.67	High school diploma or equivalent
43-5051	Postal Service Clerks	780	628	-152	-19.5%	0	118	118	\$26.12	High school diploma or equivalent
43-5052	Postal Service Mail Carriers	3,263	2,627	-636	-19.5%	0	1,136	1,136	\$27.54	High school diploma or equivalent
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,528	1,270	-258	-16.9%	0	111	111	\$26.11	High school diploma or equivalent
43-5061	Production, Planning, and Expediting Clerks	3,345	3,771	426	12.7%	426	834	1,260	\$20.60	High school diploma or equivalent
43-6011	Executive Secretaries and Executive Administrative Assistants	9,476	10,159	683	7.2%	683	1,140	1,823	\$22.82	High school diploma or equivalent
43-6012	Legal Secretaries	3,269	3,292	23	0.7%	23	393	416	\$20.65	Postsecondary non-degree award
43-9011	Computer Operators	635	606	-29	-4.6%	0	62	62	\$17.99	High school diploma or equivalent
43-9022	Word Processors and Typists	454	405	-49	-10.8%	0	16	16	\$18.65	High school diploma or equivalent
43-9031	Desktop Publishers	390	379	-11	-2.8%	0	72	72	\$19.12	Postsecondary non-degree award
43-9111	Statistical Assistants	289	343	54	18.7%	54	79	133	\$21.83	Bachelor's degree
Farming, Fishing, and Forestry										
45-1011	Supervisors and Managers of Farming, Fishing, and Forestry Workers	1,571	1,826	255	16.2%	255	331	586	\$22.38	High school diploma or equivalent
45-4021	Fallers and Buckers	634	475	-159	-25.1%	0	96	96	\$23.63	High school diploma or equivalent

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45-4022 Logging Equipment Operators	2,112	2,800	688	32.6%	688	321	1,009	\$20.07	High school diploma or equivalent
45-4023 Log Graders and Scalers	205	182	-23	-11.2%	0	31	31	\$20.67	High school diploma or equivalent
Construction and Extraction									
47-1011 Supervisors and Managers of Construction Trades and Extraction Workers	4,323	5,471	1,148	26.6%	1,148	466	1,614	\$28.69	High school diploma or equivalent
47-2011 Boilermakers	220	263	43	19.6%	43	99	142	NA	High school diploma or equivalent
47-2021 Brickmasons and Blockmasons	460	639	179	38.9%	179	49	228	\$31.77	High school diploma or equivalent
47-2031 Carpenters	9,124	12,094	2,970	32.6%	2,970	1,124	4,094	\$21.11	High school diploma or equivalent
47-2042 Floor Layers, Except Carpet, Wood, and Hard Tiles	209	285	76	36.4%	76	37	113	\$18.87	High school diploma or equivalent
47-2051 Cement Masons and Concrete Finishers	1,620	2,154	534	33.0%	534	186	720	\$20.87	Less than high school
47-2071 Paving, Surfacing, and Tamping Equipment Operators	651	774	123	18.9%	123	94	217	\$21.43	High school diploma or equivalent
47-2072 Pile-Driver Operators	84	105	21	25.0%	21	14	35	\$30.77	High school diploma or equivalent
47-2073 Operating Engineers and Other Construction Equipment Operators	3,256	3,856	600	18.4%	600	723	1,323	\$24.06	High school diploma or equivalent
47-2081 Drywall and Ceiling Tile Installers	1,130	1,539	409	36.2%	409	107	516	\$23.82	Less than high school
47-2082 Tapers	411	560	149	36.3%	149	39	188	\$21.06	Less than high school
47-2111 Electricians	7,270	8,559	1,289	17.7%	1,289	1,370	2,659	\$34.28	High school diploma or equivalent
47-2121 Glaziers	500	665	165	33.0%	165	118	283	\$26.02	High school diploma or equivalent
47-2151 Pipelayers	382	441	59	15.5%	59	48	107	\$24.73	High school diploma or equivalent
47-2152 Plumbers, Pipefitters, and Steamfitters	3,631	4,245	614	16.9%	614	452	1,066	\$30.73	High school diploma or equivalent
47-2161 Plasterers and Stucco Masons	235	322	87	37.0%	87	11	98	\$18.12	Less than high school
47-2211 Sheet Metal Workers	2,631	3,181	550	20.9%	550	496	1,046	\$24.18	High school diploma or equivalent
47-2221 Structural Iron and Steel Workers	387	511	124	32.0%	124	126	250	\$30.94	High school diploma or equivalent
47-3011 Brickmason's, Blockmason's, Stonemason's, and Tile and Marble Setter's Helpers	273	375	102	37.4%	102	43	145	\$19.34	Less than high school
47-3013 Electrician's Helpers	193	230	37	19.2%	37	30	67	\$19.30	High school diploma or equivalent
47-3016 Roofer's Helpers	97	133	36	37.1%	36	15	51	NA	Less than high school
47-4011 Construction and Building Inspectors	1,229	1,422	193	15.7%	193	291	484	\$30.06	High school diploma or equivalent
47-4031 Fence Erectors	415	574	159	38.3%	159	97	256	\$18.77	High school diploma or equivalent
47-4041 Hazardous Materials Removal Workers	643	706	63	9.8%	63	139	202	\$19.06	High school diploma or equivalent
47-4051 Highway Maintenance Workers	1,639	1,756	117	7.1%	117	244	361	\$21.03	High school diploma or equivalent
47-4061 Rail-Track Laying and Maintenance Equipment Operators	167	182	15	9.0%	15	35	50	\$23.19	High school diploma or equivalent
47-4071 Septic Tank Servicers and Sewer Pipe Cleaners	344	442	98	28.5%	98	72	170	\$20.86	Less than high school
47-4099 Construction and Related Workers, All Other	1,282	1,592	310	24.2%	310	234	544	\$19.80	High school diploma or equivalent
47-5021 Earth Drillers, Except Oil and Gas	210	253	43	20.5%	43	56	99	\$21.06	High school diploma or equivalent
Installation, Maintenance, and Repair									
49-1011 Supervisors and Managers of Mechanics, Installers, and Repairers	4,472	4,950	478	10.7%	478	1,209	1,687	\$30.75	High school diploma or equivalent
49-2021 Radio, Cellular, and Tower Equipment Installers and Repairers	371	407	36	9.7%	36	51	87	\$22.95	Postsecondary non-degree award
49-2022 Telecommunications Equipment Installers and Repairers, Except Line Installers	2,346	2,430	84	3.6%	84	322	406	\$29.51	Postsecondary non-degree award
49-2091 Avionics Technicians	82	87	5	6.1%	5	17	22	\$27.27	Postsecondary non-degree award
49-2093 Electrical and Electronics Installers and Repairers, Transportation Equipment	232	259	27	11.6%	27	47	74	\$28.14	Postsecondary non-degree award
49-2094 Electrical and Electronics Repairers, Commercial and Industrial Equipment	933	1,075	142	15.2%	142	188	330	\$29.58	Postsecondary non-degree award
49-2095 Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	209	223	14	6.7%	14	42	56	NA	Postsecondary non-degree award
49-2098 Security and Fire Alarm Systems Installers	727	865	138	19.0%	138	148	286	\$23.40	Postsecondary non-degree award
49-3011 Aircraft Mechanics and Service Technicians	1,085	1,137	52	4.8%	52	291	343	\$27.42	Postsecondary non-degree award
49-3021 Automotive Body and Related Repairers	1,374	1,540	166	12.1%	166	264	430	\$19.27	High school diploma or equivalent
49-3023 Automotive Service Technicians and Mechanics	5,732	6,358	626	10.9%	626	1,449	2,075	\$20.32	Postsecondary non-degree award
49-3031 Bus and Truck Mechanics and Diesel Engine Specialists	3,790	4,309	519	13.7%	519	808	1,327	\$21.85	High school diploma or equivalent
49-3041 Farm Equipment Mechanics	1,123	1,328	205	18.3%	205	324	529	\$18.06	High school diploma or equivalent
49-3042 Mobile Heavy Equipment Mechanics, Except Engines	1,822	2,099	277	15.2%	277	526	803	\$23.08	High school diploma or equivalent

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Occupations paying more than the 2013 median wage for the region
(Median wage \$17.60)

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Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
49-3043 Rail Car Repairers	353	403	50	14.2%	50	102	152	NA	High school diploma or equivalent
49-3051 Motorboat Mechanics	162	176	14	8.6%	14	34	48	\$19.76	High school diploma or equivalent
49-3092 Recreational Vehicle Service Technicians	378	405	27	7.1%	27	132	159	\$18.06	Postsecondary non-degree award
49-9012 Control and Valve Installers and Repairers, Except Mechanical Door	485	527	42	8.7%	42	163	205	\$26.42	High school diploma or equivalent
49-9021 Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,675	3,152	477	17.8%	477	678	1,155	\$23.55	Postsecondary non-degree award
49-9041 Industrial Machinery Mechanics	3,723	4,946	1,223	32.9%	1,223	1,075	2,298	\$25.13	High school diploma or equivalent
49-9043 Maintenance Workers, Machinery	689	857	168	24.4%	168	87	255	\$19.09	High school diploma or equivalent
49-9044 Millwrights	762	909	147	19.3%	147	118	265	\$28.65	High school diploma or equivalent
49-9051 Electrical Power-Line Installers and Repairers	1,478	1,621	143	9.7%	143	512	655	\$40.56	Postsecondary non-degree award
49-9052 Telecommunications Line Installers and Repairers	1,390	1,375	-15	-1.1%	0	341	341	\$27.01	High school diploma or equivalent
49-9062 Medical Equipment Repairers	592	807	215	36.3%	215	165	380	\$26.09	Postsecondary non-degree award
49-9069 Precision Instrument and Equipment Repairers, All Other	461	513	52	11.3%	52	128	180	\$26.59	Associate's degree
49-9071 Maintenance and Repair Workers, General	12,619	14,411	1,792	14.2%	1,792	2,424	4,216	\$18.16	High school diploma or equivalent
49-9081 Wind Turbine Service Technicians	100	134	34	34.0%	34	17	51	\$21.63	Associate's degree
49-9091 Coin, Vending, and Amusement Machine Servicers and Repairers	388	425	37	9.5%	37	39	76	\$19.13	High school diploma or equivalent
49-9094 Locksmiths and Safe Repairers	381	455	74	19.4%	74	127	201	\$17.83	High school diploma or equivalent
49-9095 Manufactured Building and Mobile Home Installers	151	152	1	0.7%	1	37	38	NA	High school diploma or equivalent
49-9096 Riggers	299	369	70	23.4%	70	73	143	\$18.40	High school diploma or equivalent
49-9097 Signal and Track Switch Repairers	113	121	8	7.1%	8	27	35	NA	Postsecondary non-degree award
Production									
51-1011 Supervisors and Managers of Production and Operating Workers	6,960	7,757	797	11.5%	797	979	1,776	\$25.64	High school diploma or equivalent
51-2031 Engine and Other Machine Assemblers	308	353	45	14.6%	45	49	94	\$19.84	High school diploma or equivalent
51-2041 Structural Metal Fabricators and Fitters	1,617	1,901	284	17.6%	284	650	934	\$18.67	High school diploma or equivalent
51-4012 Numerical Tool and Process Control Programmers	462	680	218	47.2%	218	129	347	\$27.13	Postsecondary non-degree award
51-4022 Forging Machine Setters, Operators, and Tenders, Metal and Plastic	127	131	4	3.2%	4	24	28	\$17.82	High school diploma or equivalent
51-4023 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	119	129	10	8.4%	10	23	33	\$22.49	High school diploma or equivalent
51-4034 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	325	326	1	0.3%	1	63	64	\$20.34	High school diploma or equivalent
51-4035 Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	487	509	22	4.5%	22	94	116	\$30.70	High school diploma or equivalent
51-4041 Machinists	3,044	3,861	817	26.8%	817	697	1,514	\$21.76	High school diploma or equivalent
51-4051 Metal-Refining Furnace Operators and Tenders	243	286	43	17.7%	43	31	74	NA	High school diploma or equivalent
51-4061 Model Makers, Metal and Plastic	23	27	4	17.4%	4	4	8	\$20.59	High school diploma or equivalent
51-4062 Patternmakers, Metal and Plastic	64	80	16	25.0%	16	12	28	\$25.38	High school diploma or equivalent
51-4081 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	757	764	7	0.9%	7	146	153	\$18.53	High school diploma or equivalent
51-4111 Tool and Die Makers	354	415	61	17.2%	61	21	82	\$23.63	High school diploma or equivalent
51-4121 Welders, Cutters, Solderers, and Brazers	4,402	5,032	630	14.3%	630	1,080	1,710	\$18.08	High school diploma or equivalent
51-4122 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	355	484	129	36.3%	129	87	216	\$18.89	High school diploma or equivalent
51-4192 Layout Workers, Metal and Plastic	58	67	9	15.5%	9	11	20	\$25.02	High school diploma or equivalent
51-4194 Tool Grinders, Filers, and Sharpeners	736	875	139	18.9%	139	142	281	\$20.31	High school diploma or equivalent
51-5111 Prepress Technicians and Workers	248	217	-31	-12.5%	0	63	63	\$20.74	High school diploma or equivalent
51-6092 Fabric and Apparel Patternmakers	110	125	15	13.6%	15	18	33	\$20.93	High school diploma or equivalent
51-7032 Patternmakers, Wood	27	30	3	11.1%	3	4	7	\$28.67	High school diploma or equivalent
51-8012 Power Distributors and Dispatchers	274	287	13	4.7%	13	85	98	\$40.57	High school diploma or equivalent
51-8013 Power Plant Operators	139	132	-7	-5.0%	0	43	43	\$31.14	Postsecondary non-degree award
51-8021 Stationary Engineers and Boiler Operators	461	458	-3	-0.7%	0	140	140	\$25.42	High school diploma or equivalent
51-8031 Water and Wastewater Treatment Plant and System Operators	1,101	1,186	85	7.7%	85	386	471	\$24.39	Postsecondary non-degree award
51-8091 Chemical Plant and System Operators	204	223	19	9.3%	19	76	95	\$24.60	High school diploma or equivalent
51-8093 Petroleum Pump System Operators, Refinery Operators, and Gaugers	87	88	1	1.2%	1	32	33	\$30.86	High school diploma or equivalent

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51-8099	Plant and System Operators, All Other	229	251	22	9.6%	22	85	107	\$22.93	High school diploma or equivalent
51-9011	Chemical Equipment Operators and Tenders	283	314	31	11.0%	31	99	130	\$24.29	High school diploma or equivalent
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	329	376	47	14.3%	47	78	125	\$18.85	High school diploma or equivalent
51-9071	Jewelers and Precious Stone and Metal Workers	341	345	4	1.2%	4	70	74	\$20.12	Postsecondary non-degree award
51-9122	Painters, Transportation Equipment	692	770	78	11.3%	78	126	204	\$19.99	High school diploma or equivalent
51-9191	Adhesive Bonding Machine Operators and Tenders	393	458	65	16.5%	65	93	158	\$18.17	High school diploma or equivalent
51-9193	Cooling and Freezing Equipment Operators and Tenders	139	158	19	13.7%	19	33	52	\$17.62	High school diploma or equivalent
51-9196	Paper Goods Machine Setters, Operators, and Tenders	990	940	-50	-5.1%	0	88	88	\$24.27	High school diploma or equivalent
Transportation and Material Moving										
53-1021	Supervisors and Managers of Transportation Helpers, Laborers, and Material Movers, Hand	1,761	1,993	232	13.2%	232	484	716	\$19.96	High school diploma or equivalent
53-1031	Supervisors and Managers of Transportation and Material-Moving Machine and Vehicle Operators	2,852	3,206	354	12.4%	354	784	1,138	\$26.86	High school diploma or equivalent
53-2011	Airline Pilots, Copilots, and Flight Engineers	542	558	16	3.0%	16	157	173	NA	Associate's degree
53-2012	Commercial Pilots, Except Airline Pilots	675	769	94	13.9%	94	195	289	\$65,182	Associate's degree
53-2021	Air Traffic Controllers	167	174	7	4.2%	7	74	81	NA	Postsecondary non-degree award
53-2022	Airfield Operations Specialists	58	61	3	5.2%	3	26	29	NA	High school diploma or equivalent
53-3021	Bus Drivers, Transit and Intercity	2,566	2,883	317	12.4%	317	471	788	\$20.49	High school diploma or equivalent
53-3032	Truck Drivers, Heavy and Tractor-Trailer	21,630	25,054	3,424	15.8%	3,424	3,459	6,883	\$19.00	Postsecondary non-degree award
53-4011	Locomotive Engineers	430	449	19	4.4%	19	129	148	\$21.83	High school diploma or equivalent
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	90	111	21	23.3%	21	27	48	NA	High school diploma or equivalent
53-4021	Railroad Brake, Signal, and Switch Operators	419	442	23	5.5%	23	127	150	NA	High school diploma or equivalent
53-4031	Railroad Conductors and Yardmasters	468	496	28	6.0%	28	142	170	\$21.33	High school diploma or equivalent
53-4041	Subway and Streetcar Operators	176	195	19	10.8%	19	53	72	NA	High school diploma or equivalent
53-4099	Rail Transportation Workers, All Other	27	28	1	3.7%	1	8	9	NA	High school diploma or equivalent
53-5011	Sailors and Marine Oilers	286	332	46	16.1%	46	128	174	\$24.42	Less than high school
53-5021	Captains, Mates, and Pilots of Water Vessels	245	274	29	11.8%	29	114	143	\$35.65	Postsecondary non-degree award
53-5022	Motorboat Operators	37	43	6	16.2%	6	17	23	\$26.10	High school diploma or equivalent
53-5031	Ship Engineers	77	86	9	11.7%	9	35	44	\$31.13	High school diploma or equivalent
53-6041	Traffic Technicians	60	71	11	18.3%	11	24	35	\$27.60	Postsecondary non-degree award
53-6051	Transportation Inspectors	334	380	46	13.8%	46	111	157	\$23.86	High school diploma or equivalent
53-7021	Crane and Tower Operators	531	658	127	23.9%	127	182	309	\$28.63	Less than high school
53-7031	Dredge Operators	27	31	4	14.8%	4	2	6	NA	Less than high school
53-7032	Excavating and Loading Machine and Dragline Operators	925	1,149	224	24.2%	224	74	298	\$21.43	Less than high school
53-7041	Hoist and Winch Operators	162	185	23	14.2%	23	46	69	\$18.41	Less than high school
53-7072	Pump Operators, Except Wellhead Pumpers	69	78	9	13.0%	9	24	33	NA	Less than high school
53-7081	Refuse and Recyclable Material Collectors	1,842	1,982	140	7.6%	140	382	522	\$21.54	Less than high school
53-7121	Tank Car, Truck, and Ship Loaders	254	287	33	13.0%	33	72	105	NA	Less than high school
53-7199	Material Moving Workers, All Other	1,055	1,163	108	10.2%	108	290	398	\$19.11	Less than high school

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Occupations with more than the median number of total 2012-2022 openings
(Median Total Openings: 286)

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Standard Occupational Classification Code and Title			2012	2022	Employment	Percent	Growth	Replacement	Total	Median	Typical Entry Level Education	
			Employment	Employment	Change	Change	Openings*	Openings	Openings	Wage		
Management, Business, and Financial												
11-1011	Chief Executives		1,978	2,201	223	11.3%	223	421	644	NA	Bachelor's degree	
11-1021	General and Operations Managers		21,064	24,619	3,555	16.9%	3,555	3,941	7,496	\$39.97	Bachelor's degree	
11-2021	Marketing Managers		3,096	3,703	607	19.6%	607	664	1,271	\$44.25	Bachelor's degree	
11-2022	Sales Managers		4,102	4,711	609	14.9%	609	880	1,489	\$44.84	Bachelor's degree	
11-2031	Public Relations and Fundraising Managers		1,191	1,395	204	17.1%	204	256	460	\$37.94	Bachelor's degree	
11-3011	Administrative Services Managers		2,640	3,063	423	16.0%	423	430	853	\$35.86	Bachelor's degree	
11-3021	Computer and Information Systems Managers		3,883	4,682	799	20.6%	799	539	1,338	\$52.46	Bachelor's degree	
11-3031	Financial Managers		4,948	5,688	740	15.0%	740	928	1,668	\$46.92	Bachelor's degree	
11-3051	Industrial Production Managers		2,282	2,544	262	11.5%	262	414	676	\$42.00	Bachelor's degree	
11-3061	Purchasing Managers		1,002	1,108	106	10.6%	106	220	326	\$41.63	Bachelor's degree	
11-3071	Transportation, Storage, and Distribution Managers		1,564	1,749	185	11.8%	185	357	542	\$36.25	Bachelor's degree	
11-3121	Human Resources Managers		1,483	1,773	290	19.6%	290	390	680	\$43.85	Bachelor's degree	
11-9013	Farmers, Ranchers, and Other Agricultural Managers		1,432	1,720	288	20.1%	288	231	519	NA	High school diploma or equivalent	
11-9021	Construction Managers		2,927	3,673	746	25.5%	746	461	1,207	\$38.05	Associate's degree	
11-9031	Preschool and Child Care Administrators		669	788	119	17.8%	119	178	297	\$20.32	Associate's degree	
11-9032	Elementary and Secondary School Administrators		2,068	2,313	245	11.9%	245	550	795	\$98.407	Master's degree	
11-9033	Postsecondary School Administrators		1,859	2,145	286	15.4%	286	494	780	\$36.54	Master's degree	
11-9041	Architectural and Engineering Managers		2,689	3,110	421	15.7%	421	660	1,081	\$62.43	Bachelor's degree	
11-9051	Food Service Managers		2,767	3,254	487	17.6%	487	494	981	\$21.10	High school diploma or equivalent	
11-9081	Lodging Managers		751	832	81	10.8%	81	231	312	\$21.08	High school diploma or equivalent	
11-9111	Medical and Health Services Managers		3,434	4,070	636	18.5%	636	834	1,470	\$46.45	Bachelor's degree	
11-9121	Natural Sciences Managers		1,065	1,174	109	10.2%	109	221	330	\$46.78	Bachelor's degree	
11-9141	Property, Real Estate, and Community Association Managers		2,752	3,183	431	15.7%	431	622	1,053	\$27.08	High school diploma or equivalent	
11-9151	Social and Community Service Managers		2,984	3,462	478	16.0%	478	615	1,093	\$27.94	Bachelor's degree	
11-9199	Managers, All Other		6,424	7,365	941	14.7%	941	1,406	2,347	\$40.27	Bachelor's degree	
13-1022	Wholesale and Retail Buyers, Except Farm Products		2,306	2,613	307	13.3%	307	575	882	\$21.64	Bachelor's degree	
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products		3,096	3,472	376	12.1%	376	560	936	\$26.89	Bachelor's degree	
13-1031	Claims Adjusters, Examiners, and Investigators		2,982	3,224	242	8.1%	242	690	932	\$32.03	High school diploma or equivalent	
13-1041	Compliance Officers, Except Agriculture, Construction, and Health and Safety		2,378	2,642	264	11.1%	264	439	703	\$29.25	Bachelor's degree	
13-1051	Cost Estimators		2,958	3,789	831	28.1%	831	950	1,781	\$30.73	Bachelor's degree	
13-1071	Human Resources Specialists		6,180	6,975	795	12.9%	795	1,129	1,924	\$25.49	Bachelor's degree	
13-1081	Logisticians		834	1,054	220	26.4%	220	96	316	\$34.13	Bachelor's degree	
13-1111	Management Analysts		3,842	4,368	526	13.7%	526	595	1,121	\$34.13	Bachelor's degree	
13-1121	Meeting, Convention, and Event Planners		889	1,211	322	36.2%	322	122	444	\$20.78	Bachelor's degree	
13-1151	Training and Development Specialists		3,098	3,676	578	18.7%	578	566	1,144	\$23.58	Bachelor's degree	
13-1161	Market Research Analysts and Marketing Specialists		2,390	3,294	904	37.8%	904	328	1,232	\$28.65	Bachelor's degree	
13-1199	Business Operations Specialists, All Other		14,141	16,121	1,980	14.0%	1,980	1,938	3,918	\$27.83	Bachelor's degree	
13-2011	Accountants and Auditors		11,643	13,615	1,972	16.9%	1,972	3,446	5,418	\$28.48	Bachelor's degree	
13-2031	Budget Analysts		728	791	63	8.7%	63	292	355	\$32.42	Bachelor's degree	
13-2041	Credit Analysts		668	804	136	20.4%	136	166	302	\$29.11	Bachelor's degree	
13-2051	Financial Analysts		1,866	2,348	482	25.8%	482	454	936	\$42.40	Bachelor's degree	
13-2052	Personal Financial Advisors		869	1,172	303	34.9%	303	140	443	\$21.85	Bachelor's degree	

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13-2072	Loan Officers	3,692	4,293	601	16.3%	601	676	1,277	\$31.21	Bachelor's degree
13-2082	Tax Preparers	1,351	1,459	108	8.0%	108	275	383	\$18.75	Postsecondary training (non-degree)
13-2099	Financial Specialists, All Other	1,706	1,977	271	15.9%	271	179	450	\$29.60	Bachelor's degree
Professional and Related										
15-1121	Computer Systems Analysts	4,794	6,110	1,316	27.5%	1,316	753	2,069	\$39.31	Bachelor's degree
15-1131	Computer Programmers	2,999	3,344	345	11.5%	345	783	1,128	\$35.34	Bachelor's degree
15-1132	Software Developers, Applications	7,563	9,610	2,047	27.1%	2,047	970	3,017	\$42.05	Bachelor's degree
15-1133	Software Developers, Systems Software	3,471	4,015	544	15.7%	544	445	989	\$49.01	Bachelor's degree
15-1134	Web Developers	1,011	1,281	270	26.7%	270	159	429	\$29.63	Bachelor's degree
15-1141	Database Administrators	1,273	1,478	205	16.1%	205	241	446	\$37.47	Bachelor's degree
15-1142	Network and Computer Systems Administrators	4,670	5,474	804	17.2%	804	734	1,538	\$32.61	Bachelor's degree
15-1151	Computer User Support Specialists	7,779	9,647	1,868	24.0%	1,868	1,222	3,090	\$22.69	Postsecondary training (non-degree)
15-1199	Computer Occupations, All Other	5,003	5,911	908	18.2%	908	786	1,694	\$35.13	Postsecondary training (non-degree)
17-1011	Architects, Except Landscape and Naval	1,357	1,637	280	20.6%	280	322	602	\$32.69	Bachelor's degree
17-2051	Civil Engineers	3,382	4,049	667	19.7%	667	822	1,489	\$37.13	Bachelor's degree
17-2061	Computer Hardware Engineers	3,445	3,993	548	15.9%	548	743	1,291	NA	Bachelor's degree
17-2071	Electrical Engineers	1,324	1,550	226	17.1%	226	289	515	\$43.83	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	1,781	2,034	253	14.2%	253	389	642	\$47.54	Bachelor's degree
17-2112	Industrial Engineers	3,447	3,832	385	11.2%	385	1,008	1,393	\$46.42	Bachelor's degree
17-2141	Mechanical Engineers	2,610	3,006	396	15.2%	396	891	1,287	\$39.59	Bachelor's degree
17-2199	Engineers, All Other	2,244	2,533	289	12.9%	289	413	702	\$44.79	Bachelor's degree
17-3023	Electrical and Electronics Engineering Technicians	2,777	2,989	212	7.6%	212	575	787	\$27.84	Associate's degree
17-3026	Industrial Engineering Technicians	2,371	2,387	16	0.7%	16	491	507	NA	Associate's degree
17-3029	Engineering Technicians, Except Drafters, All Other	1,668	1,786	118	7.1%	118	345	463	\$26.91	Associate's degree
17-3031	Surveying and Mapping Technicians	885	1,032	147	16.6%	147	159	306	\$22.56	High school diploma or equivalent
19-1013	Soil and Plant Scientists	622	712	90	14.5%	90	207	297	\$28.38	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	1,308	1,507	199	15.2%	199	373	572	\$30.13	Bachelor's degree
19-1029	Biological Scientists, All Other	879	956	77	8.8%	77	251	328	\$33.60	Bachelor's degree
19-1032	Foresters	819	904	85	10.4%	85	238	323	\$30.14	Bachelor's degree
19-1042	Medical Scientists, Except Epidemiologists	1,068	1,248	180	16.9%	180	225	405	\$39.40	Doctoral or professional degree
19-2031	Chemists	683	812	129	18.9%	129	177	306	\$29.44	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	1,146	1,338	192	16.8%	192	338	530	\$34.32	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	1,147	1,375	228	19.9%	228	312	540	\$32.59	Master's degree
19-3051	Urban and Regional Planners	1,023	1,163	140	13.7%	140	460	600	\$34.95	Bachelor's degree
19-4011	Agricultural and Food Science Technicians	611	714	103	16.9%	103	221	324	\$17.60	Associate's degree
19-4021	Biological Technicians	2,626	3,002	376	14.3%	376	787	1,163	\$17.63	Associate's degree
19-4061	Social Science Research Assistants	490	629	139	28.4%	139	193	332	\$18.09	Postsecondary training (non-degree)
19-4093	Forest and Conservation Technicians	2,530	2,651	121	4.8%	121	995	1,116	\$16.22	High school diploma or equivalent
19-4099	Life, Physical, and Social Science Technicians, All Other	1,245	1,452	207	16.6%	207	489	696	\$23.50	Associate's degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	1,527	1,862	335	21.9%	335	325	660	\$20.06	High school diploma or equivalent
21-1012	Educational, Guidance, School, and Vocational Counselors	2,781	3,164	383	13.8%	383	591	974	\$25.73	Master's degree
21-1014	Mental Health Counselors	1,916	2,282	366	19.1%	366	407	773	\$22.95	Master's degree
21-1015	Rehabilitation Counselors	1,397	1,598	201	14.4%	201	297	498	\$16.68	Master's degree

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† Statewide wages

Oregon High Demand Occupations, 2012-2022

Occupations with more than the median number of total 2012-2022 openings
(Median Total Openings: 286)

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title		2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
21-1021	Child, Family, and School Social Workers	3,448	3,888	440	12.8%	440	730	1,170	\$20.36	Bachelor's degree
21-1022	Healthcare Social Workers	1,328	1,559	231	17.4%	231	281	512	\$28.38	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	2,172	2,555	383	17.6%	383	460	843	\$18.58	Master's degree
21-1029	Social Workers, All Other	1,573	1,767	194	12.3%	194	333	527	\$21.91	Bachelor's degree
21-1091	Health Educators	760	879	119	15.7%	119	199	318	\$24.67	Bachelor's degree
21-1092	Probation Officers and Correctional Treatment Specialists	1,779	1,907	128	7.2%	128	465	593	\$25.02	Bachelor's degree
21-1093	Social and Human Service Assistants	6,474	7,504	1,030	15.9%	1,030	1,692	2,722	\$13.98	High school diploma or equivalent
21-1099	Community and Social Service Specialists, All Other	1,138	1,293	155	13.6%	155	298	453	\$18.27	High school diploma or equivalent
21-2011	Clergy	3,738	3,954	216	5.8%	216	765	981	\$21.22	Bachelor's degree
21-2021	Directors, Religious Activities and Education	1,495	1,570	75	5.0%	75	509	584	\$16.46	Bachelor's degree
23-1011	Lawyers	5,067	5,830	763	15.1%	763	811	1,574	\$45.59	Doctoral or professional degree
23-2011	Paralegals and Legal Assistants	2,155	2,626	471	21.9%	471	350	821	\$24.42	Associate's degree
23-2093	Title Examiners, Abstractors, and Searchers	1,063	1,194	131	12.3%	131	173	304	\$24.27	High school diploma or equivalent
25-1191	Graduate Teaching Assistants	2,947	3,303	356	12.1%	356	443	799	\$35,730	Bachelor's degree
25-1199	Postsecondary Teachers, Except Graduate Teaching Assistants	19,934	22,765	2,831	14.2%	2,831	2,996	5,827	\$64,148	Master's degree
25-2011	Preschool Teachers, Except Special Education	5,344	6,357	1,013	19.0%	1,013	1,500	2,513	\$11.29	Associate's degree
25-2012	Kindergarten Teachers, Except Special Education	1,451	1,654	203	14.0%	203	407	610	\$52,836	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	13,423	15,151	1,728	12.9%	1,728	2,953	4,681	\$56,779	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Career/Technical Education	6,557	7,396	839	12.8%	839	1,443	2,282	\$56,275	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	10,790	12,089	1,299	12.0%	1,299	2,932	4,231	\$56,268	Bachelor's degree
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,557	1,754	197	12.7%	197	266	463	\$56,708	Bachelor's degree
25-2054	Special Education Teachers, Secondary School	1,414	1,585	171	12.1%	171	241	412	\$60,150	Bachelor's degree
25-3021	Self-Enrichment Education Teachers	1,729	2,086	357	20.7%	357	295	652	NA	High school diploma or equivalent
25-3099	Teachers and Instructors, All Other	6,033	6,850	817	13.5%	817	1,030	1,847	\$45,120	Bachelor's degree
25-4021	Librarians	1,789	1,983	194	10.8%	194	403	597	\$28.80	Master's degree
25-4031	Library Technicians	1,684	1,879	195	11.6%	195	910	1,105	\$16.64	Postsecondary training (non-degree)
25-9031	Instructional Coordinators	1,622	1,894	272	16.8%	272	139	411	\$30.87	Bachelor's degree
25-9041	Teacher Assistants	17,376	19,676	2,300	13.2%	2,300	3,942	6,242	\$29,449	High school diploma or equivalent
25-9099	Education, Training, and Library Workers, All Other	15,129	16,980	1,851	12.2%	1,851	1,292	3,143	\$15.06	Bachelor's degree
27-1014	Multimedia Artists and Animators	645	866	221	34.3%	221	153	374	\$26.89	Bachelor's degree
27-1024	Graphic Designers	2,588	3,091	503	19.4%	503	685	1,188	\$21.68	Associate's degree
27-1026	Merchandise Displayers and Window Trimmers	1,135	1,375	240	21.2%	240	300	540	\$17.93	High school diploma or equivalent
27-2012	Producers and Directors	977	1,150	173	17.7%	173	330	503	\$53,075	Bachelor's degree
27-2022	Coaches and Scouts	3,433	4,162	729	21.2%	729	1,018	1,747	\$28,319	High school diploma or equivalent
27-2042	Musicians and Singers	1,159	1,287	128	11.0%	128	312	440	\$25.69	High school diploma or equivalent
27-3031	Public Relations Specialists	2,220	2,570	350	15.8%	350	304	654	\$26.46	Bachelor's degree
27-3041	Editors	971	1,049	78	8.0%	78	236	314	\$23.81	Bachelor's degree
27-3042	Technical Writers	692	831	139	20.1%	139	212	351	\$38.26	Bachelor's degree
27-3091	Interpreters and Translators	833	1,110	277	33.3%	277	114	391	\$20.46	High school diploma or equivalent
Health Care										
29-1021	Dentists, General	1,167	1,296	129	11.1%	129	285	414	NA	Doctoral or professional degree
29-1051	Pharmacists	3,506	4,144	638	18.2%	638	837	1,475	\$58.43	Doctoral or professional degree
29-1060	Physicians and Surgeons	8,185	9,862	1,677	20.5%	1,677	2,049	3,726	NA	Doctoral or professional degree

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29-1071	Physician Assistants	931	1,291	360	38.7%	360	167	527	\$48.63	Master's degree
29-1122	Occupational Therapists	1,084	1,336	252	23.3%	252	147	399	\$37.98	Master's degree
29-1123	Physical Therapists	2,362	3,025	663	28.1%	663	581	1,244	\$39.02	Doctoral or professional degree
29-1126	Respiratory Therapists	1,175	1,333	158	13.5%	158	170	328	\$29.62	Associate's degree
29-1127	Speech-Language Pathologists	952	1,133	181	19.0%	181	144	325	\$33.52	Master's degree
29-1131	Veterinarians	1,069	1,288	219	20.5%	219	343	562	\$39.39	Doctoral or professional degree
29-1141	Registered Nurses	30,677	35,636	4,959	16.2%	4,959	5,948	10,907	\$38.48	Associate's degree
29-1171	Nurse Practitioners	958	1,215	257	26.8%	257	186	443	\$48.76	Master's degree
29-2011	Medical and Clinical Laboratory Technologists	1,683	1,899	216	12.8%	216	441	657	\$32.50	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	1,098	1,376	278	25.3%	278	288	566	\$23.17	Postsecondary training (non-degree)
29-2021	Dental Hygienists	3,356	3,975	619	18.4%	619	859	1,478	\$39.55	Associate's degree
29-2034	Radiologic Technologists	1,979	2,323	344	17.4%	344	279	623	\$31.04	Associate's degree
29-2041	Emergency Medical Technicians and Paramedics	1,841	2,156	315	17.1%	315	502	817	\$17.91	Postsecondary training (non-degree)
29-2052	Pharmacy Technicians	4,699	5,550	851	18.1%	851	465	1,316	\$16.83	Postsecondary training (non-degree)
29-2055	Surgical Technologists	990	1,204	214	21.6%	214	98	312	\$23.30	Postsecondary training (non-degree)
29-2056	Veterinary Technologists and Technicians	1,429	1,723	294	20.6%	294	141	435	\$16.20	Associate's degree
29-2061	Licensed Practical and Licensed Vocational Nurses	2,705	3,242	537	19.9%	537	660	1,197	\$23.14	Postsecondary training (non-degree)
29-2071	Medical Records and Health Information Technicians	3,014	3,630	616	20.4%	616	797	1,413	\$18.78	Postsecondary training (non-degree)
29-2081	Opticians, Dispensing	1,030	1,316	286	27.8%	286	296	582	\$14.98	High school diploma or equivalent
29-2099	Health Technologists and Technicians, All Other	1,546	1,873	327	21.2%	327	153	480	\$20.62	Postsecondary training (non-degree)
29-9011	Occupational Health and Safety Specialists	946	1,057	111	11.7%	111	257	368	\$31.22	Bachelor's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	811	964	153	18.9%	153	221	374	\$30.84	Associate's degree
31-1011	Home Health Aides	7,101	9,502	2,401	33.8%	2,401	1,351	3,752	\$10.77	Less than high school
31-1013	Psychiatric Aides	1,099	1,308	209	19.0%	209	209	418	\$14.53	High school diploma or equivalent
31-1014	Nursing Assistants	13,546	16,308	2,762	20.4%	2,762	2,576	5,338	\$12.57	Postsecondary training (non-degree)
31-2021	Physical Therapist Assistants	582	768	186	32.0%	186	129	315	\$26.80	Associate's degree
31-2022	Physical Therapist Aides	605	826	221	36.5%	221	134	355	\$13.23	High school diploma or equivalent
31-9011	Massage Therapists	1,689	2,126	437	25.9%	437	179	616	\$22.00	Postsecondary training (non-degree)
31-9091	Dental Assistants	4,476	4,962	486	10.9%	486	928	1,414	\$18.87	Postsecondary training (non-degree)
31-9092	Medical Assistants	7,691	9,744	2,053	26.7%	2,053	1,467	3,520	\$16.41	Postsecondary training (non-degree)
31-9093	Medical Equipment Preparers	1,207	1,381	174	14.4%	174	230	404	\$17.69	Postsecondary training (non-degree)
31-9094	Medical Transcriptionists	1,237	1,365	128	10.4%	128	236	364	\$19.34	Postsecondary training (non-degree)
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	1,222	1,473	251	20.5%	251	233	484	\$11.95	High school diploma or equivalent
31-9097	Phlebotomists	1,096	1,288	192	17.5%	192	209	401	\$16.82	Postsecondary training (non-degree)
31-9099	Healthcare Support Workers, All Other	2,108	2,487	379	18.0%	379	402	781	\$17.22	High school diploma or equivalent
Service										
33-1012	Supervisors and Managers of Police and Detectives	1,155	1,256	101	8.7%	101	341	442	\$42.80	High school diploma or equivalent
33-1021	Supervisors and Managers of Fire Fighting and Prevention Workers	1,104	1,211	107	9.7%	107	471	578	\$39.54	High school diploma or equivalent
33-2011	Firefighters	3,715	4,076	361	9.7%	361	1,013	1,374	\$29.73	Postsecondary training (non-degree)
33-3012	Correctional Officers and Jailers	4,104	4,360	256	6.2%	256	1,090	1,346	\$26.09	High school diploma or equivalent
33-3051	Police and Sheriff's Patrol Officers	4,574	4,964	390	8.5%	390	1,434	1,824	\$31.54	High school diploma or equivalent
33-9032	Security Guards	7,560	8,881	1,321	17.5%	1,321	1,158	2,479	\$12.93	High school diploma or equivalent
33-9091	Crossing Guards and Construction Flaggers	1,400	1,635	235	16.8%	235	213	448	\$17.46	High school diploma or equivalent

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33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	1,758	1,960	202	11.5%	202	1,202	1,404	\$10.40	High school diploma or equivalent
33-9099	Protective Service Workers, All Other	1,121	1,234	113	10.1%	113	767	880	\$17.85	High school diploma or equivalent
35-1011	Chefs and Head Cooks	1,281	1,493	212	16.6%	212	208	420	\$18.14	Postsecondary training (non-degree)
35-1012	Supervisors and Managers of Food Preparation and Serving Workers	9,473	11,180	1,707	18.0%	1,707	2,673	4,380	\$13.19	High school diploma or equivalent
35-2011	Cooks, Fast Food	6,977	8,234	1,257	18.0%	1,257	1,376	2,633	\$9.48	Less than high school
35-2012	Cooks, Institution and Cafeteria	5,344	6,363	1,019	19.1%	1,019	1,054	2,073	\$12.34	Less than high school
35-2014	Cooks, Restaurant	14,535	17,103	2,568	17.7%	2,568	2,867	5,435	\$11.28	Less than high school
35-2015	Cooks, Short Order	1,861	2,167	306	16.4%	306	367	673	\$10.78	Less than high school
35-2021	Food Preparation Workers	11,728	13,514	1,786	15.2%	1,786	3,362	5,148	\$9.69	Less than high school
35-3011	Bartenders	8,342	9,723	1,381	16.6%	1,381	3,084	4,465	\$10.17	Less than high school
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	35,481	42,017	6,536	18.4%	6,536	13,548	20,084	\$9.54	Less than high school
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	9,368	10,974	1,606	17.1%	1,606	5,711	7,317	\$9.53	Less than high school
35-3031	Waiters and Waitresses	27,757	32,690	4,933	17.8%	4,933	13,354	18,287	\$9.65	Less than high school
35-3041	Food Servers, Nonrestaurant	2,750	3,585	835	30.4%	835	804	1,639	\$9.77	Less than high school
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	4,049	4,766	717	17.7%	717	1,775	2,492	NA	Less than high school
35-9021	Dishwashers	7,371	8,692	1,321	17.9%	1,321	3,244	4,565	\$9.48	Less than high school
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	3,746	4,411	665	17.8%	665	2,818	3,483	\$9.50	Less than high school
35-9099	Food Preparation and Serving Related Workers, All Other	1,635	1,879	244	14.9%	244	877	1,121	\$11.85	Less than high school
37-1011	Supervisors and Managers of Housekeeping and Janitorial Workers	1,834	2,174	340	18.5%	340	438	778	\$17.05	High school diploma or equivalent
37-1012	Supervisors and Managers of Landscaping and Groundskeeping Workers	1,176	1,436	260	22.1%	260	134	394	\$19.97	High school diploma or equivalent
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	24,204	28,669	4,465	18.5%	4,465	4,554	9,019	\$11.95	Less than high school
37-2012	Maids and Housekeeping Cleaners	11,709	13,307	1,598	13.7%	1,598	2,321	3,919	\$10.18	Less than high school
37-2021	Pest Control Workers	892	1,214	322	36.1%	322	242	564	\$18.03	High school diploma or equivalent
37-3011	Landscaping and Groundskeeping Workers	9,821	11,877	2,056	20.9%	2,056	2,476	4,532	\$12.34	Less than high school
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1,122	1,359	237	21.1%	237	283	520	\$18.54	High school diploma or equivalent
37-3013	Tree Trimmers and Pruners	1,216	1,536	320	26.3%	320	307	627	\$18.55	High school diploma or equivalent
39-1021	Supervisors and Managers of Personal Service Workers	2,288	2,746	458	20.0%	458	421	879	\$15.36	High school diploma or equivalent
39-2021	Nonfarm Animal Caretakers	2,218	2,975	757	34.1%	757	266	1,023	\$10.70	Less than high school
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,387	1,545	158	11.4%	158	732	890	\$9.65	Less than high school
39-3091	Amusement and Recreation Attendants	2,691	3,083	392	14.6%	392	1,349	1,741	\$9.51	Less than high school
39-3099	Entertainment Attendants and Related Workers, All Other	721	828	107	14.8%	107	361	468	\$10.98	High school diploma or equivalent
39-5012	Hairdressers, Hairstylists, and Cosmetologists	4,120	5,377	1,257	30.5%	1,257	965	2,222	\$12.54	Postsecondary training (non-degree)
39-7011	Tour Guides and Escorts	507	620	113	22.3%	113	244	357	\$10.87	High school diploma or equivalent
39-9011	Childcare Workers	5,369	6,130	761	14.2%	761	1,578	2,339	\$9.93	High school diploma or equivalent
39-9021	Personal Care Aides	11,682	15,125	3,443	29.5%	3,443	836	4,279	\$10.77	Less than high school
39-9031	Fitness Trainers and Aerobics Instructors	3,561	4,069	508	14.3%	508	420	928	\$17.27	High school diploma or equivalent
39-9032	Recreation Workers	4,621	5,386	765	16.6%	765	545	1,310	NA	High school diploma or equivalent
39-9041	Residential Advisors	621	725	104	16.8%	104	268	372	\$12.25	High school diploma or equivalent
39-9099	Personal Care and Service Workers, All Other	1,019	1,219	200	19.6%	200	284	484	\$11.34	High school diploma or equivalent
Sales and Related										
41-1011	Supervisors and Managers of Retail Sales Workers	15,153	17,130	1,977	13.1%	1,977	3,297	5,274	\$17.57	High school diploma or equivalent
41-1012	Supervisors and Managers of Non-Retail Sales Workers	3,683	4,200	517	14.0%	517	470	987	\$28.38	High school diploma or equivalent
41-2011	Cashiers	33,574	36,147	2,573	7.7%	2,573	14,515	17,088	\$10.18	Less than high school

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† Statewide wages

Oregon High Demand Occupations, 2012-2022

Occupations with more than the median number of total 2012-2022 openings
(Median Total Openings: 286)

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title		2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
41-2021	Counter and Rental Clerks	4,318	4,760	442	10.2%	442	1,104	1,546	\$11.09	Less than high school
41-2022	Parts Salespersons	3,512	3,895	383	10.9%	383	890	1,273	\$15.40	Less than high school
41-2031	Retail Salespersons	55,158	62,553	7,395	13.4%	7,395	18,866	26,261	\$11.00	Less than high school
41-3011	Advertising Sales Agents	1,408	1,467	59	4.2%	59	433	492	\$21.50	High school diploma or equivalent
41-3021	Insurance Sales Agents	3,221	3,547	326	10.1%	326	758	1,084	\$25.64	Postsecondary training (non-degree)
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,716	3,120	404	14.9%	404	635	1,039	\$25.38	Bachelor's degree
41-3099	Sales Representatives, Services, All Other	6,196	7,273	1,077	17.4%	1,077	1,692	2,769	\$24.62	High school diploma or equivalent
41-4011	Wholesale and Manufacturing Sales Representatives, Technical and Scientific	5,185	6,037	852	16.4%	852	1,011	1,863	\$36.61	Bachelor's degree
41-4012	Wholesale and Manufacturing Sales Representatives, Except Technical and Sc	15,703	18,157	2,454	15.6%	2,454	3,061	5,515	\$25.60	High school diploma or equivalent
41-9011	Demonstrators and Product Promoters	1,555	2,025	470	30.2%	470	438	908	NA	High school diploma or equivalent
41-9021	Real Estate Brokers	5,273	6,415	1,142	21.7%	1,142	496	1,638	\$28.47	Postsecondary training (non-degree)
41-9022	Real Estate Sales Agents	7,007	8,511	1,504	21.5%	1,504	659	2,163	\$16.45	Postsecondary training (non-degree)
41-9031	Sales Engineers	1,063	1,215	152	14.3%	152	186	338	\$48.02	Bachelor's degree
41-9041	Telemarketers	2,072	2,482	410	19.8%	410	429	839	\$12.15	Less than high school
41-9099	Sales and Related Workers, All Other	2,415	2,830	415	17.2%	415	473	888	\$13.50	High school diploma or equivalent
Office and Administrative Support										
43-1011	Supervisors and Managers of Office and Administrative Support Workers	14,619	16,894	2,275	15.6%	2,275	3,469	5,744	\$23.09	High school diploma or equivalent
43-2011	Switchboard Operators, Including Answering Service	1,947	2,069	122	6.3%	122	358	480	\$12.65	High school diploma or equivalent
43-3011	Bill and Account Collectors	4,054	4,843	789	19.5%	789	1,140	1,929	\$16.11	High school diploma or equivalent
43-3021	Billing and Posting Clerks	5,967	7,042	1,075	18.0%	1,075	1,098	2,173	\$17.05	High school diploma or equivalent
43-3031	Bookkeeping, Accounting, and Auditing Clerks	26,026	30,280	4,254	16.4%	4,254	2,391	6,645	\$17.33	Postsecondary training (non-degree)
43-3051	Payroll and Timekeeping Clerks	2,576	2,964	388	15.1%	388	566	954	\$19.71	High school diploma or equivalent
43-3061	Procurement Clerks	643	703	60	9.3%	60	233	293	\$19.53	High school diploma or equivalent
43-3071	Tellers	6,039	6,551	512	8.5%	512	2,815	3,327	\$12.64	High school diploma or equivalent
43-4031	Court, Municipal, and License Clerks	1,860	1,972	112	6.0%	112	286	398	\$19.60	High school diploma or equivalent
43-4051	Customer Service Representatives	22,627	26,519	3,892	17.2%	3,892	6,157	10,049	\$15.38	High school diploma or equivalent
43-4061	Eligibility Interviewers, Government Programs	1,196	1,291	95	7.9%	95	240	335	\$17.84	High school diploma or equivalent
43-4071	File Clerks	2,078	2,124	46	2.2%	46	475	521	\$13.84	High school diploma or equivalent
43-4081	Hotel, Motel, and Resort Desk Clerks	3,676	4,114	438	11.9%	438	1,741	2,179	\$10.69	High school diploma or equivalent
43-4111	Interviewers, Except Eligibility and Loan	3,069	3,579	510	16.6%	510	580	1,090	\$14.70	High school diploma or equivalent
43-4121	Library Assistants, Clerical	1,547	1,713	166	10.7%	166	675	841	\$14.81	High school diploma or equivalent
43-4131	Loan Interviewers and Clerks	2,054	2,396	342	16.7%	342	137	479	\$18.89	High school diploma or equivalent
43-4141	New Accounts Clerks	1,148	1,155	7	0.6%	7	297	304	\$15.03	High school diploma or equivalent
43-4151	Order Clerks	3,312	3,553	241	7.3%	241	872	1,113	\$13.92	High school diploma or equivalent
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,589	1,682	93	5.9%	93	401	494	\$18.70	High school diploma or equivalent
43-4171	Receptionists and Information Clerks	11,236	12,665	1,429	12.7%	1,429	3,024	4,453	\$12.67	High school diploma or equivalent
43-4199	Information and Record Clerks, All Other	5,646	5,986	340	6.0%	340	1,220	1,560	\$15.48	High school diploma or equivalent
43-5011	Cargo and Freight Agents	863	1,034	171	19.8%	171	233	404	\$22.04	High school diploma or equivalent
43-5031	Police, Fire, and Ambulance Dispatchers	976	1,073	97	9.9%	97	282	379	\$24.39	High school diploma or equivalent
43-5032	Dispatchers, Except Police, Fire, and Ambulance	2,563	2,919	356	13.9%	356	739	1,095	\$17.61	High school diploma or equivalent
43-5052	Postal Service Mail Carriers	3,263	2,627	-636	-19.5%	0	1,136	1,136	\$27.54	High school diploma or equivalent
43-5061	Production, Planning, and Expediting Clerks	3,345	3,771	426	12.7%	426	834	1,260	\$20.60	High school diploma or equivalent
43-5071	Shipping, Receiving, and Traffic Clerks	8,079	8,831	752	9.3%	752	2,123	2,875	\$14.39	High school diploma or equivalent

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(Median Total Openings: 286)

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Standard Occupational Classification Code and Title		2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
43-5081	Stock Clerks and Order Fillers	15,518	16,222	704	4.5%	704	4,688	5,392	\$12.45	Less than high school
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	1,062	1,288	226	21.3%	226	234	460	\$14.37	High school diploma or equivalent
43-6011	Executive Secretaries and Executive Administrative Assistants	9,476	10,159	683	7.2%	683	1,140	1,823	\$22.82	High school diploma or equivalent
43-6012	Legal Secretaries	3,269	3,292	23	0.7%	23	393	416	\$20.65	Postsecondary training (non-degree)
43-6013	Medical Secretaries	12,382	16,167	3,785	30.6%	3,785	1,490	5,275	\$16.15	High school diploma or equivalent
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	22,398	26,101	3,703	16.5%	3,703	2,696	6,399	\$16.32	High school diploma or equivalent
43-9041	Insurance Claims and Policy Processing Clerks	2,854	3,128	274	9.6%	274	757	1,031	\$17.28	High school diploma or equivalent
43-9061	Office Clerks, General	32,305	35,912	3,607	11.2%	3,607	6,787	10,394	\$14.95	High school diploma or equivalent
43-9199	Office and Administrative Support Workers, All Other	8,739	9,790	1,051	12.0%	1,051	2,450	3,501	\$15.38	High school diploma or equivalent
Farming, Fishing, and Forestry										
45-1011	Supervisors and Managers of Farming, Fishing, and Forestry Workers	1,571	1,826	255	16.2%	255	331	586	\$22.38	High school diploma or equivalent
45-2041	Graders and Sorters, Agricultural Products	2,775	3,257	482	17.4%	482	491	973	\$9.40	Less than high school
45-2091	Agricultural Equipment Operators	2,693	3,213	520	19.3%	520	817	1,337	\$13.92	High school diploma or equivalent
45-2092	Farmworkers and Laborers for Crops, Nurseries, and Greenhouses	20,287	24,013	3,726	18.4%	3,726	6,155	9,881	\$9.48	High school diploma or equivalent
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	2,869	3,675	806	28.1%	806	870	1,676	\$11.08	High school diploma or equivalent
45-2099	Agricultural Workers, All Other	1,714	2,076	362	21.1%	362	520	882	\$11.56	High school diploma or equivalent
45-4011	Forest and Conservation Workers	2,348	2,616	268	11.4%	268	401	669	\$15.82	High school diploma or equivalent
45-4022	Logging Equipment Operators	2,112	2,800	688	32.6%	688	321	1,009	\$20.07	High school diploma or equivalent
45-4029	Logging Workers, All Other	1,107	1,277	170	15.4%	170	168	338	\$17.08	High school diploma or equivalent
Construction and Extraction										
47-1011	Supervisors and Managers of Construction Trades and Extraction Workers	4,323	5,471	1,148	26.6%	1,148	466	1,614	\$28.69	High school diploma or equivalent
47-2031	Carpenters	9,124	12,094	2,970	32.6%	2,970	1,124	4,094	\$21.11	High school diploma or equivalent
47-2051	Cement Masons and Concrete Finishers	1,620	2,154	534	33.0%	534	186	720	\$20.87	Less than high school
47-2061	Construction Laborers	8,073	10,387	2,314	28.7%	2,314	1,728	4,042	\$16.85	Less than high school
47-2073	Operating Engineers and Other Construction Equipment Operators	3,256	3,856	600	18.4%	600	723	1,323	\$24.06	High school diploma or equivalent
47-2081	Drywall and Ceiling Tile Installers	1,130	1,539	409	36.2%	409	107	516	\$23.82	Less than high school
47-2111	Electricians	7,270	8,559	1,289	17.7%	1,289	1,370	2,659	\$34.28	High school diploma or equivalent
47-2141	Painters, Construction and Maintenance	3,306	4,529	1,223	37.0%	1,223	501	1,724	\$17.18	Less than high school
47-2152	Plumbers, Pipefitters, and Steamfitters	3,631	4,245	614	16.9%	614	452	1,066	\$30.73	High school diploma or equivalent
47-2181	Roofers	1,963	2,738	775	39.5%	775	411	1,186	\$16.39	Less than high school
47-2211	Sheet Metal Workers	2,631	3,181	550	20.9%	550	496	1,046	\$24.18	High school diploma or equivalent
47-4011	Construction and Building Inspectors	1,229	1,422	193	15.7%	193	291	484	\$30.06	High school diploma or equivalent
47-4051	Highway Maintenance Workers	1,639	1,756	117	7.1%	117	244	361	\$21.03	High school diploma or equivalent
47-4099	Construction and Related Workers, All Other	1,282	1,592	310	24.2%	310	234	544	\$19.80	High school diploma or equivalent
Installation, Maintenance, and Repair										
49-1011	Supervisors and Managers of Mechanics, Installers, and Repairers	4,472	4,950	478	10.7%	478	1,209	1,687	\$30.75	High school diploma or equivalent
49-2011	Computer, Automated Teller, and Office Machine Repairers	1,599	1,715	116	7.3%	116	334	450	\$16.48	High school diploma or equivalent
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	2,346	2,430	84	3.6%	84	322	406	\$29.51	Postsecondary training (non-degree)
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	933	1,075	142	15.2%	142	188	330	\$29.58	Postsecondary training (non-degree)
49-3011	Aircraft Mechanics and Service Technicians	1,085	1,137	52	4.8%	52	291	343	\$27.42	Postsecondary training (non-degree)
49-3021	Automotive Body and Related Repairers	1,374	1,540	166	12.1%	166	264	430	\$19.27	High school diploma or equivalent
49-3023	Automotive Service Technicians and Mechanics	5,732	6,358	626	10.9%	626	1,449	2,075	\$20.32	Postsecondary training (non-degree)
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,790	4,309	519	13.7%	519	808	1,327	\$21.85	High school diploma or equivalent

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49-3041	Farm Equipment Mechanics	1,123	1,328	205	18.3%	205	324	529	\$18.06	High school diploma or equivalent
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,822	2,099	277	15.2%	277	526	803	\$23.08	High school diploma or equivalent
49-3093	Tire Repairers and Changers	1,686	1,791	105	6.2%	105	588	693	\$12.27	High school diploma or equivalent
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,675	3,152	477	17.8%	477	678	1,155	\$23.55	Postsecondary training (non-degree)
49-9041	Industrial Machinery Mechanics	3,723	4,946	1,223	32.9%	1,223	1,075	2,298	\$25.13	High school diploma or equivalent
49-9051	Electrical Power-Line Installers and Repairers	1,478	1,621	143	9.7%	143	512	655	\$40.56	Postsecondary training (non-degree)
49-9052	Telecommunications Line Installers and Repairers	1,390	1,375	-15	-1.1%	0	341	341	\$27.01	High school diploma or equivalent
49-9062	Medical Equipment Repairers	592	807	215	36.3%	215	165	380	\$26.09	Postsecondary training (non-degree)
49-9071	Maintenance and Repair Workers, General	12,619	14,411	1,792	14.2%	1,792	2,424	4,216	\$18.16	High school diploma or equivalent
49-9098	Installation, Maintenance, and Repair Workers' Helpers	1,442	1,691	249	17.3%	249	435	684	\$12.40	High school diploma or equivalent
49-9099	Installation, Maintenance, and Repair Workers, All Other	2,666	3,064	398	14.9%	398	447	845	\$17.52	High school diploma or equivalent
Production										
51-1011	Supervisors and Managers of Production and Operating Workers	6,960	7,757	797	11.5%	797	979	1,776	\$25.64	High school diploma or equivalent
51-2022	Electrical and Electronic Equipment Assemblers	4,519	4,833	314	7.0%	314	548	862	\$14.65	High school diploma or equivalent
51-2041	Structural Metal Fabricators and Fitters	1,617	1,901	284	17.6%	284	650	934	\$18.67	High school diploma or equivalent
51-2092	Team Assemblers	5,736	6,570	834	14.5%	834	907	1,741	\$15.01	High school diploma or equivalent
51-2099	Assemblers and Fabricators, All Other	5,295	6,110	815	15.4%	815	837	1,652	\$14.12	High school diploma or equivalent
51-3011	Bakers	2,373	2,698	325	13.7%	325	575	900	\$12.76	Less than high school
51-3021	Butchers and Meat Cutters	1,630	1,820	190	11.7%	190	402	592	\$16.52	Less than high school
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	908	993	85	9.4%	85	224	309	\$10.32	Less than high school
51-3092	Food Mixing and Blending Machine Operators and Tenders	1,380	1,571	191	13.8%	191	448	639	\$11.38	High school diploma or equivalent
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	2,019	2,706	687	34.0%	687	565	1,252	\$17.53	High school diploma or equivalent
51-4012	Numerical Tool and Process Control Programmers	462	680	218	47.2%	218	129	347	\$27.13	Postsecondary training (non-degree)
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and	1,067	1,121	54	5.1%	54	239	293	\$16.39	High school diploma or equivalent
51-4041	Machinists	3,044	3,861	817	26.8%	817	697	1,514	\$21.76	High school diploma or equivalent
51-4121	Welders, Cutters, Solderers, and Brazers	4,402	5,032	630	14.3%	630	1,080	1,710	\$18.08	High school diploma or equivalent
51-4199	Metal Workers and Plastic Workers, All Other	1,115	1,309	194	17.4%	194	120	314	NA	High school diploma or equivalent
51-5112	Printing Press Operators	2,393	2,310	-83	-3.5%	0	421	421	\$17.39	High school diploma or equivalent
51-6011	Laundry and Dry-Cleaning Workers	1,733	1,856	123	7.1%	123	514	637	\$10.74	Less than high school
51-7011	Cabinetmakers and Bench Carpenters	1,777	2,000	223	12.6%	223	141	364	\$15.27	High school diploma or equivalent
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	1,465	1,775	310	21.2%	310	406	716	\$16.14	High school diploma or equivalent
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	1,833	2,163	330	18.0%	330	98	428	\$16.11	High school diploma or equivalent
51-8031	Water and Wastewater Treatment Plant and System Operators	1,101	1,186	85	7.7%	85	386	471	\$24.39	Postsecondary training (non-degree)
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operat	964	1,195	231	24.0%	231	336	567	\$14.41	High school diploma or equivalent
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	942	1,071	129	13.7%	129	266	395	\$17.35	High school diploma or equivalent
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, ar	947	1,120	173	18.3%	173	257	430	\$11.69	High school diploma or equivalent
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	5,146	5,941	795	15.5%	795	1,130	1,925	\$16.94	High school diploma or equivalent
51-9081	Dental Laboratory Technicians	806	920	114	14.1%	114	272	386	\$17.20	High school diploma or equivalent
51-9111	Packaging and Filling Machine Operators and Tenders	5,666	6,296	630	11.1%	630	1,336	1,966	\$12.19	High school diploma or equivalent
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	1,108	1,262	154	13.9%	154	202	356	\$16.25	High school diploma or equivalent
51-9141	Semiconductor Processors	2,342	2,490	148	6.3%	148	552	700	\$15.62	High school diploma or equivalent
51-9198	Production Workers' Helpers	3,252	3,671	419	12.9%	419	561	980	\$12.75	Less than high school
51-9199	Production Workers, All Other	7,800	8,903	1,103	14.1%	1,103	2,034	3,137	\$13.58	High school diploma or equivalent

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Transportation and Material Moving									
53-1021 Supervisors and Managers of Transportation Helpers, Laborers, and Material M	1,761	1,993	232	13.2%	232	484	716	\$19.96	High school diploma or equivalent
53-1031 Supervisors and Managers of Transportation and Material-Moving Machine anc	2,852	3,206	354	12.4%	354	784	1,138	\$26.86	High school diploma or equivalent
53-2012 Commercial Pilots, Except Airline Pilots	675	769	94	13.9%	94	195	289	\$65,182	Associate's degree
53-3021 Bus Drivers, Transit and Intercity	2,566	2,883	317	12.4%	317	471	788	\$20.49	High school diploma or equivalent
53-3022 Bus Drivers, School or Special Client	5,855	6,666	811	13.9%	811	1,074	1,885	\$14.53	High school diploma or equivalent
53-3031 Driver/Sales Workers	6,153	6,997	844	13.7%	844	984	1,828	\$14.19	High school diploma or equivalent
53-3032 Truck Drivers, Heavy and Tractor-Trailer	21,630	25,054	3,424	15.8%	3,424	3,459	6,883	\$19.00	Postsecondary training (non-degree)
53-3033 Truck Drivers, Light or Delivery Services	8,210	9,109	899	11.0%	899	1,313	2,212	\$15.89	High school diploma or equivalent
53-3041 Taxi Drivers and Chauffeurs	1,283	1,600	317	24.7%	317	152	469	\$10.93	Less than high school
53-3099 Motor Vehicle Operators, All Other	1,188	1,426	238	20.0%	238	332	570	\$11.20	High school diploma or equivalent
53-6021 Parking Lot Attendants	1,249	1,310	61	4.9%	61	599	660	\$10.11	Less than high school
53-6031 Service Station Attendants	7,255	7,644	389	5.4%	389	2,080	2,469	\$9.63	Less than high school
53-6099 Transportation Workers, All Other	646	740	94	14.6%	94	255	349	\$9.90	High school diploma or equivalent
53-7021 Crane and Tower Operators	531	658	127	23.9%	127	182	309	\$28.63	Less than high school
53-7032 Excavating and Loading Machine and Dragline Operators	925	1,149	224	24.2%	224	74	298	\$21.43	Less than high school
53-7051 Fork Lift, Industrial Truck and Tractor Operators	9,385	9,606	221	2.4%	221	2,155	2,376	\$16.11	Less than high school
53-7061 Cleaners of Vehicles and Equipment	3,842	4,312	470	12.2%	470	1,068	1,538	\$11.13	Less than high school
53-7062 Laborers and Freight, Stock, and Material Movers, Hand	22,297	25,506	3,209	14.4%	3,209	6,907	10,116	\$12.51	Less than high school
53-7063 Machine Feeders and Offbearers	5,105	5,724	619	12.1%	619	1,017	1,636	\$13.12	Less than high school
53-7064 Packers and Packagers, Hand	7,858	8,687	829	10.6%	829	2,061	2,890	\$9.63	Less than high school
53-7081 Refuse and Recyclable Material Collectors	1,842	1,982	140	7.6%	140	382	522	\$21.54	Less than high school
53-7199 Material Moving Workers, All Other	1,055	1,163	108	10.2%	108	290	398	\$19.11	Less than high school
66-2021 Leased Workers	6,786	7,926	1,140	16.8%	1,140	0	1,140	NA	Not Classified
66-2051 Home Care Workers	11,827	12,868	1,041	8.8%	1,041	0	1,041	NA	Not Classified

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title		2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
Management, Business, and Financial										
11-1011	Chief Executives	1,978	2,201	223	11.3%	223	421	644	NA	Bachelor's degree
11-1021	General and Operations Managers	21,064	24,619	3,555	16.9%	3,555	3,941	7,496	\$39.97	Bachelor's degree
11-2021	Marketing Managers	3,096	3,703	607	19.6%	607	664	1,271	\$44.25	Bachelor's degree
11-2022	Sales Managers	4,102	4,711	609	14.9%	609	880	1,489	\$44.84	Bachelor's degree
11-2031	Public Relations and Fundraising Managers	1,191	1,395	204	17.1%	204	256	460	\$37.94	Bachelor's degree
11-3011	Administrative Services Managers	2,640	3,063	423	16.0%	423	430	853	\$35.86	Bachelor's degree
11-3021	Computer and Information Systems Managers	3,883	4,682	799	20.6%	799	539	1,338	\$52.46	Bachelor's degree
11-3031	Financial Managers	4,948	5,688	740	15.0%	740	928	1,668	\$46.92	Bachelor's degree
11-3051	Industrial Production Managers	2,282	2,544	262	11.5%	262	414	676	\$42.00	Bachelor's degree
11-3061	Purchasing Managers	1,002	1,108	106	10.6%	106	220	326	\$41.63	Bachelor's degree
11-3071	Transportation, Storage, and Distribution Managers	1,564	1,749	185	11.8%	185	357	542	\$36.25	Bachelor's degree
11-3121	Human Resources Managers	1,483	1,773	290	19.6%	290	390	680	\$43.85	Bachelor's degree
11-9021	Construction Managers	2,927	3,673	746	25.5%	746	461	1,207	\$38.05	Associate's degree
11-9031	Preschool and Child Care Administrators	669	788	119	17.8%	119	178	297	\$20.32	Associate's degree
11-9032	Elementary and Secondary School Administrators	2,068	2,313	245	11.9%	245	550	795	\$98,407	Master's degree
11-9033	Postsecondary School Administrators	1,859	2,145	286	15.4%	286	494	780	\$36.54	Master's degree
11-9041	Architectural and Engineering Managers	2,689	3,110	421	15.7%	421	660	1,081	\$62.43	Bachelor's degree
11-9051	Food Service Managers	2,767	3,254	487	17.6%	487	494	981	\$21.10	High school diploma or equivalent
11-9081	Lodging Managers	751	832	81	10.8%	81	231	312	\$21.08	High school diploma or equivalent
11-9111	Medical and Health Services Managers	3,434	4,070	636	18.5%	636	834	1,470	\$46.45	Bachelor's degree
11-9121	Natural Sciences Managers	1,065	1,174	109	10.2%	109	221	330	\$46.78	Bachelor's degree
11-9141	Property, Real Estate, and Community Association Managers	2,752	3,183	431	15.7%	431	622	1,053	\$27.08	High school diploma or equivalent
11-9151	Social and Community Service Managers	2,984	3,462	478	16.0%	478	615	1,093	\$27.94	Bachelor's degree
11-9199	Managers, All Other	6,424	7,365	941	14.7%	941	1,406	2,347	\$40.27	Bachelor's degree
13-1022	Wholesale and Retail Buyers, Except Farm Products	2,306	2,613	307	13.3%	307	575	882	\$21.64	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	3,096	3,472	376	12.1%	376	560	936	\$26.89	Bachelor's degree
13-1031	Claims Adjusters, Examiners, and Investigators	2,982	3,224	242	8.1%	242	690	932	\$32.03	High school diploma or equivalent
13-1041	Compliance Officers, Except Agriculture, Construction, and Health and Safety	2,378	2,642	264	11.1%	264	439	703	\$29.25	Bachelor's degree
13-1051	Cost Estimators	2,958	3,789	831	28.1%	831	950	1,781	\$30.73	Bachelor's degree
13-1071	Human Resources Specialists	6,180	6,975	795	12.9%	795	1,129	1,924	\$25.49	Bachelor's degree
13-1081	Logisticians	834	1,054	220	26.4%	220	96	316	\$34.13	Bachelor's degree
13-1111	Management Analysts	3,842	4,368	526	13.7%	526	595	1,121	\$34.13	Bachelor's degree
13-1121	Meeting, Convention, and Event Planners	889	1,211	322	36.2%	322	122	444	\$20.78	Bachelor's degree
13-1151	Training and Development Specialists	3,098	3,676	578	18.7%	578	566	1,144	\$23.58	Bachelor's degree
13-1161	Market Research Analysts and Marketing Specialists	2,390	3,294	904	37.8%	904	328	1,232	\$28.65	Bachelor's degree
13-1199	Business Operations Specialists, All Other	14,141	16,121	1,980	14.0%	1,980	1,938	3,918	\$27.83	Bachelor's degree
13-2011	Accountants and Auditors	11,643	13,615	1,972	16.9%	1,972	3,446	5,418	\$28.48	Bachelor's degree
13-2031	Budget Analysts	728	791	63	8.7%	63	292	355	\$32.42	Bachelor's degree
13-2041	Credit Analysts	668	804	136	20.4%	136	166	302	\$29.11	Bachelor's degree
13-2051	Financial Analysts	1,866	2,348	482	25.8%	482	454	936	\$42.40	Bachelor's degree
13-2052	Personal Financial Advisors	869	1,172	303	34.9%	303	140	443	\$21.85	Bachelor's degree
13-2072	Loan Officers	3,692	4,293	601	16.3%	601	676	1,277	\$31.21	Bachelor's degree
13-2082	Tax Preparers	1,351	1,459	108	8.0%	108	275	383	\$18.75	Postsecondary non-degree award
13-2099	Financial Specialists, All Other	1,706	1,977	271	15.9%	271	179	450	\$29.60	Bachelor's degree
Professional and Related										
15-1121	Computer Systems Analysts	4,794	6,110	1,316	27.5%	1,316	753	2,069	\$39.31	Bachelor's degree
15-1131	Computer Programmers	2,999	3,344	345	11.5%	345	783	1,128	\$35.34	Bachelor's degree

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15-1132	Software Developers, Applications	7,563	9,610	2,047	27.1%	2,047	970	3,017	\$42.05	Bachelor's degree
15-1133	Software Developers, Systems Software	3,471	4,015	544	15.7%	544	445	989	\$49.01	Bachelor's degree
15-1134	Web Developers	1,011	1,281	270	26.7%	270	159	429	\$29.63	Bachelor's degree
15-1141	Database Administrators	1,273	1,478	205	16.1%	205	241	446	\$37.47	Bachelor's degree
15-1142	Network and Computer Systems Administrators	4,670	5,474	804	17.2%	804	734	1,538	\$32.61	Bachelor's degree
15-1151	Computer User Support Specialists	7,779	9,647	1,868	24.0%	1,868	1,222	3,090	\$22.69	Postsecondary non-degree award
15-1199	Computer Occupations, All Other	5,003	5,911	908	18.2%	908	786	1,694	\$35.13	Postsecondary non-degree award
17-1011	Architects, Except Landscape and Naval	1,357	1,637	280	20.6%	280	322	602	\$32.69	Bachelor's degree
17-2051	Civil Engineers	3,382	4,049	667	19.7%	667	822	1,489	\$37.13	Bachelor's degree
17-2061	Computer Hardware Engineers	3,445	3,993	548	15.9%	548	743	1,291	NA	Bachelor's degree
17-2071	Electrical Engineers	1,324	1,550	226	17.1%	226	289	515	\$43.83	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	1,781	2,034	253	14.2%	253	389	642	\$47.54	Bachelor's degree
17-2112	Industrial Engineers	3,447	3,832	385	11.2%	385	1,008	1,393	\$46.42	Bachelor's degree
17-2141	Mechanical Engineers	2,610	3,006	396	15.2%	396	891	1,287	\$39.59	Bachelor's degree
17-2199	Engineers, All Other	2,244	2,533	289	12.9%	289	413	702	\$44.79	Bachelor's degree
17-3023	Electrical and Electronics Engineering Technicians	2,777	2,989	212	7.6%	212	575	787	\$27.84	Associate's degree
17-3026	Industrial Engineering Technicians	2,371	2,387	16	0.7%	16	491	507	NA	Associate's degree
17-3029	Engineering Technicians, Except Drafters, All Other	1,668	1,786	118	7.1%	118	345	463	\$26.91	Associate's degree
17-3031	Surveying and Mapping Technicians	885	1,032	147	16.6%	147	159	306	\$22.56	High school diploma or equivalent
19-1013	Soil and Plant Scientists	622	712	90	14.5%	90	207	297	\$28.38	Bachelor's degree
19-1023	Zoologists and Wildlife Biologists	1,308	1,507	199	15.2%	199	373	572	\$30.13	Bachelor's degree
19-1029	Biological Scientists, All Other	879	956	77	8.8%	77	251	328	\$33.60	Bachelor's degree
19-1032	Foresters	819	904	85	10.4%	85	238	323	\$30.14	Bachelor's degree
19-1042	Medical Scientists, Except Epidemiologists	1,068	1,248	180	16.9%	180	225	405	\$39.40	Doctoral or professional degree
19-2031	Chemists	683	812	129	18.9%	129	177	306	\$29.44	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	1,146	1,338	192	16.8%	192	338	530	\$34.32	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	1,147	1,375	228	19.9%	228	312	540	\$32.59	Master's degree
19-3051	Urban and Regional Planners	1,023	1,163	140	13.7%	140	460	600	\$34.95	Bachelor's degree
19-4021	Biological Technicians	2,626	3,002	376	14.3%	376	787	1,163	\$17.63	Associate's degree
19-4061	Social Science Research Assistants	490	629	139	28.4%	139	193	332	\$18.09	Postsecondary non-degree award
19-4099	Life, Physical, and Social Science Technicians, All Other	1,245	1,452	207	16.6%	207	489	696	\$23.50	Associate's degree
21-1011	Substance Abuse and Behavioral Disorder Counselors	1,527	1,862	335	21.9%	335	325	660	\$20.06	High school diploma or equivalent
21-1012	Educational, Guidance, School, and Vocational Counselors	2,781	3,164	383	13.8%	383	591	974	\$25.73	Master's degree
21-1014	Mental Health Counselors	1,916	2,282	366	19.1%	366	407	773	\$22.95	Master's degree
21-1021	Child, Family, and School Social Workers	3,448	3,888	440	12.8%	440	730	1,170	\$20.36	Bachelor's degree
21-1022	Healthcare Social Workers	1,328	1,559	231	17.4%	231	281	512	\$28.38	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	2,172	2,555	383	17.6%	383	460	843	\$18.58	Master's degree
21-1029	Social Workers, All Other	1,573	1,767	194	12.3%	194	333	527	\$21.91	Bachelor's degree
21-1091	Health Educators	760	879	119	15.7%	119	199	318	\$24.67	Bachelor's degree
21-1092	Probation Officers and Correctional Treatment Specialists	1,779	1,907	128	7.2%	128	465	593	\$25.02	Bachelor's degree
21-1099	Community and Social Service Specialists, All Other	1,138	1,293	155	13.6%	155	298	453	\$18.27	High school diploma or equivalent
21-2011	Clergy	3,738	3,954	216	5.8%	216	765	981	\$21.22	Bachelor's degree
23-1011	Lawyers	5,067	5,830	763	15.1%	763	811	1,574	\$45.59	Doctoral or professional degree
23-2011	Paralegals and Legal Assistants	2,155	2,626	471	21.9%	471	350	821	\$24.42	Associate's degree
23-2093	Title Examiners, Abstractors, and Searchers	1,063	1,194	131	12.3%	131	173	304	\$24.27	High school diploma or equivalent
25-1199	Postsecondary Teachers, Except Graduate Teaching Assistants	19,934	22,765	2,831	14.2%	2,831	2,996	5,827	\$64,148	Master's degree
25-2012	Kindergarten Teachers, Except Special Education	1,451	1,654	203	14.0%	203	407	610	\$52,836	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	13,423	15,151	1,728	12.9%	1,728	2,953	4,681	\$56,779	Bachelor's degree

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25-2022	Middle School Teachers, Except Special and Career/Technical Education	6,557	7,396	839	12.8%	839	1,443	2,282	\$56,275	Bachelor's degree
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	10,790	12,089	1,299	12.0%	1,299	2,932	4,231	\$56,268	Bachelor's degree
25-2052	Special Education Teachers, Kindergarten and Elementary School	1,557	1,754	197	12.7%	197	266	463	\$56,708	Bachelor's degree
25-2054	Special Education Teachers, Secondary School	1,414	1,585	171	12.1%	171	241	412	\$60,150	Bachelor's degree
25-3099	Teachers and Instructors, All Other	6,033	6,850	817	13.5%	817	1,030	1,847	\$45,120	Bachelor's degree
25-4021	Librarians	1,789	1,983	194	10.8%	194	403	597	\$28.80	Master's degree
25-9031	Instructional Coordinators	1,622	1,894	272	16.8%	272	139	411	\$30.87	Bachelor's degree
27-1014	Multimedia Artists and Animators	645	866	221	34.3%	221	153	374	\$26.89	Bachelor's degree
27-1024	Graphic Designers	2,588	3,091	503	19.4%	503	685	1,188	\$21.68	Associate's degree
27-1026	Merchandise Displayers and Window Trimmers	1,135	1,375	240	21.2%	240	300	540	\$17.93	High school diploma or equivalent
27-2012	Producers and Directors	977	1,150	173	17.7%	173	330	503	\$53,075	Bachelor's degree
27-2042	Musicians and Singers	1,159	1,287	128	11.0%	128	312	440	\$25.69	High school diploma or equivalent
27-3031	Public Relations Specialists	2,220	2,570	350	15.8%	350	304	654	\$26.46	Bachelor's degree
27-3041	Editors	971	1,049	78	8.0%	78	236	314	\$23.81	Bachelor's degree
27-3042	Technical Writers	692	831	139	20.1%	139	212	351	\$38.26	Bachelor's degree
27-3091	Interpreters and Translators	833	1,110	277	33.3%	277	114	391	\$20.46	High school diploma or equivalent
Health Care										
29-1021	Dentists, General	1,167	1,296	129	11.1%	129	285	414	NA	Doctoral or professional degree
29-1051	Pharmacists	3,506	4,144	638	18.2%	638	837	1,475	\$58.43	Doctoral or professional degree
29-1060	Physicians and Surgeons	8,185	9,862	1,677	20.5%	1,677	2,049	3,726	NA	Doctoral or professional degree
29-1071	Physician Assistants	931	1,291	360	38.7%	360	167	527	\$48.63	Master's degree
29-1122	Occupational Therapists	1,084	1,336	252	23.3%	252	147	399	\$37.98	Master's degree
29-1123	Physical Therapists	2,362	3,025	663	28.1%	663	581	1,244	\$39.02	Doctoral or professional degree
29-1126	Respiratory Therapists	1,175	1,333	158	13.5%	158	170	328	\$29.62	Associate's degree
29-1127	Speech-Language Pathologists	952	1,133	181	19.0%	181	144	325	\$33.52	Master's degree
29-1131	Veterinarians	1,069	1,288	219	20.5%	219	343	562	\$39.39	Doctoral or professional degree
29-1141	Registered Nurses	30,677	35,636	4,959	16.2%	4,959	5,948	10,907	\$38.48	Associate's degree
29-1171	Nurse Practitioners	958	1,215	257	26.8%	257	186	443	\$48.76	Master's degree
29-2011	Medical and Clinical Laboratory Technologists	1,683	1,899	216	12.8%	216	441	657	\$32.50	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	1,098	1,376	278	25.3%	278	288	566	\$23.17	Postsecondary non-degree award
29-2021	Dental Hygienists	3,356	3,975	619	18.4%	619	859	1,478	\$39.55	Associate's degree
29-2034	Radiologic Technologists	1,979	2,323	344	17.4%	344	279	623	\$31.04	Associate's degree
29-2041	Emergency Medical Technicians and Paramedics	1,841	2,156	315	17.1%	315	502	817	\$17.91	Postsecondary non-degree award
29-2055	Surgical Technologists	990	1,204	214	21.6%	214	98	312	\$23.30	Postsecondary non-degree award
29-2061	Licensed Practical and Licensed Vocational Nurses	2,705	3,242	537	19.9%	537	660	1,197	\$23.14	Postsecondary non-degree award
29-2071	Medical Records and Health Information Technicians	3,014	3,630	616	20.4%	616	797	1,413	\$18.78	Postsecondary non-degree award
29-2099	Health Technologists and Technicians, All Other	1,546	1,873	327	21.2%	327	153	480	\$20.62	Postsecondary non-degree award
29-9011	Occupational Health and Safety Specialists	946	1,057	111	11.7%	111	257	368	\$31.22	Bachelor's degree
29-9099	Healthcare Practitioners and Technical Workers, All Other	811	964	153	18.9%	153	221	374	\$30.84	Associate's degree
31-2021	Physical Therapist Assistants	582	768	186	32.0%	186	129	315	\$26.80	Associate's degree
31-9011	Massage Therapists	1,689	2,126	437	25.9%	437	179	616	\$22.00	Postsecondary non-degree award
31-9091	Dental Assistants	4,476	4,962	486	10.9%	486	928	1,414	\$18.87	Postsecondary non-degree award
31-9093	Medical Equipment Preparers	1,207	1,381	174	14.4%	174	230	404	\$17.69	Postsecondary non-degree award
31-9094	Medical Transcriptionists	1,237	1,365	128	10.4%	128	236	364	\$19.34	Postsecondary non-degree award
Service										
33-1012	Supervisors and Managers of Police and Detectives	1,155	1,256	101	8.7%	101	341	442	\$42.80	High school diploma or equivalent
33-1021	Supervisors and Managers of Fire Fighting and Prevention Workers	1,104	1,211	107	9.7%	107	471	578	\$39.54	High school diploma or equivalent
33-2011	Firefighters	3,715	4,076	361	9.7%	361	1,013	1,374	\$29.73	Postsecondary non-degree award

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33-3012	Correctional Officers and Jailers	4,104	4,360	256	6.2%	256	1,090	1,346	\$26.09	High school diploma or equivalent
33-3051	Police and Sheriff's Patrol Officers	4,574	4,964	390	8.5%	390	1,434	1,824	\$31.54	High school diploma or equivalent
33-9099	Protective Service Workers, All Other	1,121	1,234	113	10.1%	113	767	880	\$17.85	High school diploma or equivalent
35-1011	Chefs and Head Cooks	1,281	1,493	212	16.6%	212	208	420	\$18.14	Postsecondary non-degree award
37-1012	Supervisors and Managers of Landscaping and Groundskeeping Workers	1,176	1,436	260	22.1%	260	134	394	\$19.97	High school diploma or equivalent
37-2021	Pest Control Workers	892	1,214	322	36.1%	322	242	564	\$18.03	High school diploma or equivalent
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	1,122	1,359	237	21.1%	237	283	520	\$19	High school diploma or equivalent
37-3013	Tree Trimmers and Pruners	1,216	1,536	320	26.3%	320	307	627	\$18.55	High school diploma or equivalent
Sales and Related										
41-1012	Supervisors and Managers of Non-Retail Sales Workers	3,683	4,200	517	14.0%	517	470	987	\$28.38	High school diploma or equivalent
41-3011	Advertising Sales Agents	1,408	1,467	59	4.2%	59	433	492	\$21.50	High school diploma or equivalent
41-3021	Insurance Sales Agents	3,221	3,547	326	10.1%	326	758	1,084	\$25.64	Postsecondary non-degree award
41-3031	Securities, Commodities, and Financial Services Sales Agents	2,716	3,120	404	14.9%	404	635	1,039	\$25.38	Bachelor's degree
41-3099	Sales Representatives, Services, All Other	6,196	7,273	1,077	17.4%	1,077	1,692	2,769	\$24.62	High school diploma or equivalent
41-4011	Wholesale and Manufacturing Sales Representatives, Technical and Scientific Products	5,185	6,037	852	16.4%	852	1,011	1,863	\$36.61	Bachelor's degree
41-4012	Wholesale and Manufacturing Sales Representatives, Except Technical and Scientific Products	15,703	18,157	2,454	15.6%	2,454	3,061	5,515	\$25.60	High school diploma or equivalent
41-9021	Real Estate Brokers	5,273	6,415	1,142	21.7%	1,142	496	1,638	\$28.47	Postsecondary non-degree award
41-9031	Sales Engineers	1,063	1,215	152	14.3%	152	186	338	\$48.02	Bachelor's degree
Office and Administrative Support										
43-1011	Supervisors and Managers of Office and Administrative Support Workers	14,619	16,894	2,275	15.6%	2,275	3,469	5,744	\$23.09	High school diploma or equivalent
43-3051	Payroll and Timekeeping Clerks	2,576	2,964	388	15.1%	388	566	954	\$19.71	High school diploma or equivalent
43-3061	Procurement Clerks	643	703	60	9.3%	60	233	293	\$19.53	High school diploma or equivalent
43-4031	Court, Municipal, and License Clerks	1,860	1,972	112	6.0%	112	286	398	\$19.60	High school diploma or equivalent
43-4061	Eligibility Interviewers, Government Programs	1,196	1,291	95	7.9%	95	240	335	\$17.84	High school diploma or equivalent
43-4131	Loan Interviewers and Clerks	2,054	2,396	342	16.7%	342	137	479	\$18.89	High school diploma or equivalent
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	1,589	1,682	93	5.9%	93	401	494	\$18.70	High school diploma or equivalent
43-5011	Cargo and Freight Agents	863	1,034	171	19.8%	171	233	404	\$22.04	High school diploma or equivalent
43-5031	Police, Fire, and Ambulance Dispatchers	976	1,073	97	9.9%	97	282	379	\$24.39	High school diploma or equivalent
43-5032	Dispatchers, Except Police, Fire, and Ambulance	2,563	2,919	356	13.9%	356	739	1,095	\$17.61	High school diploma or equivalent
43-5052	Postal Service Mail Carriers	3,263	2,627	-636	-19.5%	0	1,136	1,136	\$27.54	High school diploma or equivalent
43-5061	Production, Planning, and Expediting Clerks	3,345	3,771	426	12.7%	426	834	1,260	\$20.60	High school diploma or equivalent
43-6011	Executive Secretaries and Executive Administrative Assistants	9,476	10,159	683	7.2%	683	1,140	1,823	\$22.82	High school diploma or equivalent
43-6012	Legal Secretaries	3,269	3,292	23	0.7%	23	393	416	\$20.65	Postsecondary non-degree award
Farming, Fishing, and Forestry										
45-1011	Supervisors and Managers of Farming, Fishing, and Forestry Workers	1,571	1,826	255	16.2%	255	331	586	\$22.38	High school diploma or equivalent
45-4022	Logging Equipment Operators	2,112	2,800	688	32.6%	688	321	1,009	\$20.07	High school diploma or equivalent
Construction and Extraction										
47-1011	Supervisors and Managers of Construction Trades and Extraction Workers	4,323	5,471	1,148	26.6%	1,148	466	1,614	\$28.69	High school diploma or equivalent
47-2031	Carpenters	9,124	12,094	2,970	32.6%	2,970	1,124	4,094	\$21.11	High school diploma or equivalent
47-2051	Cement Masons and Concrete Finishers	1,620	2,154	534	33.0%	534	186	720	\$20.87	Less than high school
47-2073	Operating Engineers and Other Construction Equipment Operators	3,256	3,856	600	18.4%	600	723	1,323	\$24.06	High school diploma or equivalent
47-2081	Drywall and Ceiling Tile Installers	1,130	1,539	409	36.2%	409	107	516	\$23.82	Less than high school
47-2111	Electricians	7,270	8,559	1,289	17.7%	1,289	1,370	2,659	\$34.28	High school diploma or equivalent
47-2152	Plumbers, Pipefitters, and Steamfitters	3,631	4,245	614	16.9%	614	452	1,066	\$30.73	High school diploma or equivalent
47-2211	Sheet Metal Workers	2,631	3,181	550	20.9%	550	496	1,046	\$24.18	High school diploma or equivalent
47-4011	Construction and Building Inspectors	1,229	1,422	193	15.7%	193	291	484	\$30.06	High school diploma or equivalent
47-4051	Highway Maintenance Workers	1,639	1,756	117	7.1%	117	244	361	\$21.03	High school diploma or equivalent
47-4099	Construction and Related Workers, All Other	1,282	1,592	310	24.2%	310	234	544	\$19.80	High school diploma or equivalent

*Occupations with declining employment have zero growth openings

NA Median wages not available

Annual wages represent a partial work year, e.g. school year

† Statewide wages

Oregon High Wage/High Demand Occupations, 2012-2022

Occupations paying more than the regional 2013 median wage and with more than the median number of total 2012-2022 openings in the region
(Median Wage: \$17.60, Median Total Openings: 286)

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title		2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Median Wage	Typical Entry Level Education
Installation, Maintenance, and Repair										
49-1011	Supervisors and Managers of Mechanics, Installers, and Repairers	4,472	4,950	478	10.7%	478	1,209	1,687	\$30.75	High school diploma or equivalent
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	2,346	2,430	84	3.6%	84	322	406	\$29.51	Postsecondary non-degree award
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	933	1,075	142	15.2%	142	188	330	\$29.58	Postsecondary non-degree award
49-3011	Aircraft Mechanics and Service Technicians	1,085	1,137	52	4.8%	52	291	343	\$27.42	Postsecondary non-degree award
49-3021	Automotive Body and Related Repairers	1,374	1,540	166	12.1%	166	264	430	\$19.27	High school diploma or equivalent
49-3023	Automotive Service Technicians and Mechanics	5,732	6,358	626	10.9%	626	1,449	2,075	\$20.32	Postsecondary non-degree award
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	3,790	4,309	519	13.7%	519	808	1,327	\$21.85	High school diploma or equivalent
49-3041	Farm Equipment Mechanics	1,123	1,328	205	18.3%	205	324	529	\$18.06	High school diploma or equivalent
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	1,822	2,099	277	15.2%	277	526	803	\$23.08	High school diploma or equivalent
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	2,675	3,152	477	17.8%	477	678	1,155	\$23.55	Postsecondary non-degree award
49-9041	Industrial Machinery Mechanics	3,723	4,946	1,223	32.9%	1,223	1,075	2,298	\$25.13	High school diploma or equivalent
49-9051	Electrical Power-Line Installers and Repairers	1,478	1,621	143	9.7%	143	512	655	\$40.56	Postsecondary non-degree award
49-9052	Telecommunications Line Installers and Repairers	1,390	1,375	-15	-1.1%	0	341	341	\$27.01	High school diploma or equivalent
49-9062	Medical Equipment Repairers	592	807	215	36.3%	215	165	380	\$26.09	Postsecondary non-degree award
49-9071	Maintenance and Repair Workers, General	12,619	14,411	1,792	14.2%	1,792	2,424	4,216	\$18.16	High school diploma or equivalent
Production										
51-1011	Supervisors and Managers of Production and Operating Workers	6,960	7,757	797	11.5%	797	979	1,776	\$25.64	High school diploma or equivalent
51-2041	Structural Metal Fabricators and Fitters	1,617	1,901	284	17.6%	284	650	934	\$18.67	High school diploma or equivalent
51-4012	Numerical Tool and Process Control Programmers	462	680	218	47.2%	218	129	347	\$27.13	Postsecondary non-degree award
51-4041	Machinists	3,044	3,861	817	26.8%	817	697	1,514	\$21.76	High school diploma or equivalent
51-4121	Welders, Cutters, Solderers, and Brazers	4,402	5,032	630	14.3%	630	1,080	1,710	\$18.08	High school diploma or equivalent
51-8031	Water and Wastewater Treatment Plant and System Operators	1,101	1,186	85	7.7%	85	386	471	\$24.39	Postsecondary non-degree award
Transportation and Material Moving										
53-1021	Supervisors and Managers of Transportation Helpers, Laborers, and Material Movers, Hand	1,761	1,993	232	13.2%	232	484	716	\$19.96	High school diploma or equivalent
53-1031	Supervisors and Managers of Transportation and Material-Moving Machine and Vehicle Operators	2,852	3,206	354	12.4%	354	784	1,138	\$26.86	High school diploma or equivalent
53-2012	Commercial Pilots, Except Airline Pilots	675	769	94	13.9%	94	195	289	\$65,182	Associate's degree
53-3021	Bus Drivers, Transit and Intercity	2,566	2,883	317	12.4%	317	471	788	\$20.49	High school diploma or equivalent
53-3032	Truck Drivers, Heavy and Tractor-Trailer	21,630	25,054	3,424	15.8%	3,424	3,459	6,883	\$19.00	Postsecondary non-degree award
53-7021	Crane and Tower Operators	531	658	127	23.9%	127	182	309	\$28.63	Less than high school
53-7032	Excavating and Loading Machine and Dragline Operators	925	1,149	224	24.2%	224	74	298	\$21.43	Less than high school
53-7081	Refuse and Recyclable Material Collectors	1,842	1,982	140	7.6%	140	382	522	\$21.54	Less than high school
53-7199	Material Moving Workers, All Other	1,055	1,163	108	10.2%	108	290	398	\$19.11	Less than high school

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† Statewide wages

Oregon High Skill Occupations, 2012-2022

Oregon Employment Department, Workforce and Economic Research

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Typical Entry Level Education	Competitive Education	Work Experience	OJT Training
Management, Business, and Financial											
11-1011 Chief Executives*	1,978	2,201	223	11.3%	223	421	644	Bachelor's degree	Bachelor's degree	5 years or more	None
11-1021 General and Operations Managers	21,064	24,619	3,555	16.9%	3,555	3,941	7,496	Bachelor's degree	Bachelor's degree	Less than 5 years	None
11-1031 Legislators	199	217	18	9.1%	18	44	62	Bachelor's degree	Bachelor's degree	Less than 5 years	None
11-2011 Advertising and Promotions Manager	554	648	94	17.0%	94	171	265	Bachelor's degree	Bachelor's degree	Less than 5 years	None
11-2021 Marketing Managers	3,096	3,703	607	19.6%	607	664	1,271	Bachelor's degree	Bachelor's degree	5 years or more	None
11-2022 Sales Managers	4,102	4,711	609	14.9%	609	880	1,489	Bachelor's degree	Bachelor's degree	Less than 5 years	None
11-2031 Public Relations and Fundraising Manager	1,191	1,395	204	17.1%	204	256	460	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3011 Administrative Services Manager	2,640	3,063	423	16.0%	423	430	853	Bachelor's degree	Bachelor's degree	Less than 5 years	None
11-3021 Computer and Information Systems Manager	3,883	4,682	799	20.6%	799	539	1,338	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3031 Financial Managers	4,948	5,688	740	15.0%	740	928	1,668	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3051 Industrial Production Manager	2,282	2,544	262	11.5%	262	414	676	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3061 Purchasing Managers	1,002	1,108	106	10.6%	106	220	326	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3071 Transportation, Storage, and Distribution Manager	1,564	1,749	185	11.8%	185	357	542	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3111 Compensation and Benefits Manager	185	197	12	6.5%	12	49	61	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3121 Human Resources Managers	1,483	1,773	290	19.6%	290	390	680	Bachelor's degree	Bachelor's degree	5 years or more	None
11-3131 Training and Development Manager	290	334	44	15.2%	44	76	120	Bachelor's degree	Bachelor's degree	5 years or more	None
11-9013 Farmers, Ranchers, and Other Agricultural Managers	1,432	1,720	288	20.1%	288	231	519	HS diploma or equivalent	Bachelor's degree	5 years or more	None
11-9021 Construction Managers	2,927	3,673	746	25.5%	746	461	1,207	Associate's degree	Bachelor's degree	None	Moderate-term OJT training
11-9031 Preschool and Child Care Administrator	669	788	119	17.8%	119	178	297	Associate's degree	Bachelor's degree	Less than 5 years	None
11-9032 Elementary and Secondary School Administrator	2,068	2,313	245	11.9%	245	550	795	Master's degree	Master's degree	5 years or more	None
11-9033 Postsec. School Administrator	1,859	2,145	286	15.4%	286	494	780	Master's degree	Doctoral or prof. degree	5 years or more	None
11-9039 Education Administrators, All Other	524	614	90	17.2%	90	139	229	Master's degree	Doctoral or prof. degree	Less than 5 years	None
11-9041 Architectural and Engineering Manager	2,689	3,110	421	15.7%	421	660	1,081	Bachelor's degree	Bachelor's degree	5 years or more	None
11-9051 Food Service Managers	2,767	3,254	487	17.6%	487	494	981	HS diploma or equivalent	Associate's degree	Less than 5 years	None
11-9061 Funeral Service Managers	207	230	23	11.1%	23	44	67	Associate's degree	Associate's degree	Less than 5 years	None
11-9071 Gaming Managers	62	73	11	17.7%	11	13	24	Associate's degree	Associate's degree	Less than 5 years	None
11-9081 Lodging Managers	751	832	81	10.8%	81	231	312	HS diploma or equivalent	Associate's degree	Less than 5 years	None
11-9111 Medical and Health Services Manager	3,434	4,070	636	18.5%	636	834	1,470	Bachelor's degree	Master's degree	None	None
11-9121 Natural Sciences Managers	1,065	1,174	109	10.2%	109	221	330	Bachelor's degree	Master's degree	5 years or more	None
11-9131 Postmasters and Mail Superintendents	300	242	-58	-19.3%	0	66	66	HS diploma or equivalent	Bachelor's degree	Less than 5 years	Moderate-term OJT training
11-9141 Property, Real Estate, and Community Association Managers	2,752	3,183	431	15.7%	431	622	1,053	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
11-9151 Social and Community Service Manager	2,984	3,462	478	16.0%	478	615	1,093	Bachelor's degree	Bachelor's degree	5 years or more	None
11-9161 Emergency Management Director	130	147	17	13.1%	17	18	35	Bachelor's degree	Bachelor's degree	5 years or more	None
11-9199 Managers, All Other*	6,424	7,365	941	14.7%	941	1,406	2,347	Bachelor's degree	Bachelor's degree	Less than 5 years	None
13-1011 Agents and Business Managers of Artists, Performers, and Athletes	71	84	13	18.3%	13	16	29	Bachelor's degree	Bachelor's degree	Less than 5 years	None
13-1021 Buyers and Purchasing Agents, Farm Product	424	486	62	14.6%	62	81	143	Bachelor's degree	Bachelor's degree	None	Long-term OJT training
13-1022 Wholesale and Retail Buyers, Except Farm Product	2,306	2,613	307	13.3%	307	575	882	Bachelor's degree	Bachelor's degree	None	Long-term OJT training
13-1023 Purchasing Agents, Except Wholesale, Retail, and Farm Product	3,096	3,472	376	12.1%	376	560	936	Bachelor's degree	Bachelor's degree	None	Long-term OJT training
13-1031 Claims Adjusters, Examiners, and Investigator	2,982	3,224	242	8.1%	242	690	932	HS diploma or equivalent	Bachelor's degree	None	Long-term OJT training
13-1041 Compliance Officers, Except Agriculture, Construction, and Health and Safety	2,378	2,642	264	11.1%	264	439	703	Bachelor's degree	HS diploma or equivalent	None	Moderate-term OJT training
13-1051 Cost Estimators	2,958	3,789	831	28.1%	831	950	1,781	Bachelor's degree	Bachelor's degree	None	None
13-1071 Human Resources Specialists	6,180	6,975	795	12.9%	795	1,129	1,924	Bachelor's degree	Bachelor's degree	None	None
13-1075 Labor Relations Specialists	1,317	1,303	-14	-1.1%	0	241	241	Bachelor's degree	Bachelor's degree	None	None
13-1081 Logisticians	834	1,054	220	26.4%	220	96	316	Bachelor's degree	Bachelor's degree	None	None
13-1111 Management Analysts*	3,842	4,368	526	13.7%	526	595	1,121	Bachelor's degree	Master's degree	Less than 5 years	None
13-1121 Meeting, Convention, and Event Planners	889	1,211	322	36.2%	322	122	444	Bachelor's degree	Bachelor's degree	None	None
13-1131 Fundraisers	478	567	89	18.6%	89	94	183	Bachelor's degree	Bachelor's degree	None	None
13-1141 Compensation, Benefits, and Job Analysis Specialist	909	1,000	91	10.0%	91	166	257	Bachelor's degree	Bachelor's degree	None	None
13-1151 Training and Development Specialist	3,098	3,676	578	18.7%	578	566	1,144	Bachelor's degree	Bachelor's degree	Less than 5 years	None
13-1161 Market Research Analysts and Marketing Specialist	2,390	3,294	904	37.8%	904	328	1,232	Bachelor's degree	Master's degree	None	None
13-1199 Business Operations Specialists, All Other	14,141	16,121	1,980	14.0%	1,980	1,938	3,918	Bachelor's degree	Bachelor's degree	None	None
13-2011 Accountants and Auditors	11,643	13,615	1,972	16.9%	1,972	3,446	5,418	Bachelor's degree	Bachelor's degree	None	None
13-2021 Appraisers and Assessors of Real Estate	1,051	1,162	111	10.6%	111	94	205	Postsec. non-degree award	Postsec. non-degree award	None	Long-term OJT training
13-2031 Budget Analysts	728	791	63	8.7%	63	292	355	Bachelor's degree	Bachelor's degree	None	None
13-2041 Credit Analysts	668	804	136	20.4%	136	166	302	Bachelor's degree	Bachelor's degree	None	None
13-2051 Financial Analysts	1,866	2,348	482	25.8%	482	454	936	Bachelor's degree	Master's degree	None	None
13-2052 Personal Financial Advisors	869	1,172	303	34.9%	303	140	443	Bachelor's degree	Bachelor's degree	None	None
13-2053 Insurance Underwriters	846	828	-18	-2.1%	0	230	230	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
13-2061 Financial Examiners	278	318	40	14.4%	40	71	111	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
13-2071 Credit Counselors	566	676	110	19.4%	110	104	214	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
13-2072 Loan Officers	3,692	4,293	601	16.3%	601	676	1,277	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
13-2081 Tax Examiners, Collectors, and Revenue Agent	649	694	45	6.9%	45	223	268	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
13-2082 Tax Preparers*	1,351	1,459	108	8.0%	108	275	383	Postsec. non-degree award	Postsec. non-degree award	None	Moderate-term OJT training
13-2099 Financial Specialists, All Other	1,706	1,977	271	15.9%	271	179	450	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
Professional and Related											
15-1111 Computer and Information Research Scientist	85	108	23	27.1%	23	13	36	Doctoral or prof. degree	Doctoral or prof. degree	None	None
15-1121 Computer Systems Analyst	4,794	6,110	1,316	27.5%	1,316	753	2,069	Bachelor's degree	Bachelor's degree	None	None
15-1122 Information Security Analyst	170	221	51	30.0%	51	27	78	Bachelor's degree	Bachelor's degree	Less than 5 years	None
15-1131 Computer Programmers	2,999	3,344	345	11.5%	345	783	1,128	Bachelor's degree	Bachelor's degree	None	None
15-1132 Software Developers, Applications	7,563	9,610	2,047	27.1%	2,047	970	3,017	Bachelor's degree	Bachelor's degree	None	None
15-1133 Software Developers, Systems Software	3,471	4,015	544	15.7%	544	445	989	Bachelor's degree	Bachelor's degree	None	None
15-1134 Web Developers*	1,011	1,281	270	26.7%	270	159	429	Bachelor's degree	Bachelor's degree	None	None

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Oregon High Skill Occupations, 2012-2022

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Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Typical Entry Level Education	Competitive Education	Work Experience	OJT Training
15-1141 Database Administrators	1,273	1,478	205	16.1%	205	241	446	Bachelor's degree	Bachelor's degree	Less than 5 years	None
15-1142 Network and Computer Systems Administrators	4,670	5,474	804	17.2%	804	734	1,538	Bachelor's degree	Bachelor's degree	None	None
15-1143 Computer Network Architects	714	804	90	12.6%	90	112	202	Bachelor's degree	Bachelor's degree	5 years or more	None
15-1151 Computer User Support Specialists	7,779	9,647	1,868	24.0%	1,868	1,222	3,090	Postsec. non-degree awarc	Bachelor's degree	None	Moderate-term OJT training
15-1152 Computer Network Support Specialists	997	1,038	41	4.1%	41	157	198	Bachelor's degree	Bachelor's degree	None	None
15-1199 Computer Occupations, All Othe	5,003	5,911	908	18.2%	908	786	1,694	Postsec. non-degree awarc	Bachelor's degree	None	None
15-2011 Actuaries	120	156	36	30.0%	36	34	70	Bachelor's degree	Master's degree	None	Long-term OJT training
15-2031 Operations Research Analysts	397	507	110	27.7%	110	89	199	Bachelor's degree	Master's degree	None	None
15-2041 Statisticians	503	612	109	21.7%	109	159	268	Bachelor's degree	Master's degree	None	None
15-2099 Mathematical Scientists, All Other	42	47	5	11.9%	5	10	15	Bachelor's degree	Master's degree	None	None
17-1011 Architects, Except Landscape and Naval	1,357	1,637	280	20.6%	280	322	602	Bachelor's degree	Master's degree	None	Internship/residency
17-1012 Landscape Architects	249	301	52	20.9%	52	59	111	Bachelor's degree	Master's degree	None	Internship/residency
17-1021 Cartographers and Photogrammetrist	393	482	89	22.7%	89	83	172	Bachelor's degree	Bachelor's degree	None	None
17-1022 Surveyors	645	712	67	10.4%	67	137	204	Bachelor's degree	Bachelor's degree	Less than 5 years	None
17-2011 Aerospace Engineers	123	153	30	24.4%	30	29	59	Bachelor's degree	Master's degree	None	None
17-2021 Agricultural Engineers	39	45	6	15.4%	6	10	16	Bachelor's degree	Master's degree	None	None
17-2031 Biomedical Engineers	115	143	28	24.4%	28	29	57	Bachelor's degree	Master's degree	None	None
17-2041 Chemical Engineers	253	319	66	26.1%	66	59	125	Bachelor's degree	Master's degree	None	None
17-2051 Civil Engineers	3,382	4,049	667	19.7%	667	822	1,489	Bachelor's degree	Master's degree	None	None
17-2061 Computer Hardware Engineers	3,445	3,993	548	15.9%	548	743	1,291	Bachelor's degree	Master's degree	None	None
17-2071 Electrical Engineers	1,324	1,550	226	17.1%	226	289	515	Bachelor's degree	Master's degree	None	None
17-2072 Electronics Engineers, Except Compute	1,781	2,034	253	14.2%	253	389	642	Bachelor's degree	Master's degree	None	None
17-2081 Environmental Engineer	458	544	86	18.8%	86	112	198	Bachelor's degree	Master's degree	None	None
17-2111 Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	182	202	20	11.0%	20	53	73	Bachelor's degree	Master's degree	None	None
17-2112 Industrial Engineer	3,447	3,832	385	11.2%	385	1,008	1,393	Bachelor's degree	Master's degree	None	None
17-2131 Materials Engineers	404	457	53	13.1%	53	127	180	Bachelor's degree	Master's degree	None	None
17-2141 Mechanical Engineers	2,610	3,006	396	15.2%	396	891	1,287	Bachelor's degree	Master's degree	None	None
17-2199 Engineers, All Other	2,244	2,533	289	12.9%	289	413	702	Bachelor's degree	Master's degree	None	None
17-3011 Architectural and Civil Drafters	1,267	1,301	34	2.7%	34	169	203	Postsec. non-degree awarc	Postsec. non-degree award	None	None
17-3012 Electrical and Electronics Drafters	255	291	36	14.1%	36	34	70	Postsec. non-degree awarc	Postsec. non-degree award	None	None
17-3013 Mechanical Drafters	667	697	30	4.5%	30	89	119	Postsec. non-degree awarc	Postsec. non-degree award	None	None
17-3019 Drafters, All Other	416	498	82	19.7%	82	55	137	Postsec. non-degree awarc	Postsec. non-degree award	None	None
17-3022 Civil Engineering Technician	935	1,003	68	7.3%	68	194	262	Associate's degree	Associate's degree	None	None
17-3023 Electrical and Electronics Engineering Technician	2,777	2,989	212	7.6%	212	575	787	Associate's degree	Associate's degree	None	None
17-3024 Electro-Mechanical Technician	280	309	29	10.4%	29	58	87	Associate's degree	Associate's degree	None	None
17-3025 Environmental Engineering Technician	182	201	19	10.4%	19	38	57	Associate's degree	Associate's degree	None	None
17-3026 Industrial Engineering Technician	2,371	2,387	16	0.7%	16	491	507	Associate's degree	Associate's degree	None	None
17-3027 Mechanical Engineering Technician	437	516	79	18.1%	79	91	170	Associate's degree	Associate's degree	None	None
17-3029 Engineering Technicians, Except Drafters, All Othe	1,668	1,786	118	7.1%	118	345	463	Associate's degree	Associate's degree	None	None
19-1012 Food Scientists and Technologists	215	262	47	21.9%	47	72	119	Bachelor's degree	Master's degree	None	None
19-1013 Soil and Plant Scientists	622	712	90	14.5%	90	207	297	Bachelor's degree	Master's degree	None	None
19-1021 Biochemists and Biophysicist:	109	133	24	22.0%	24	31	55	Master's degree	Doctoral or prof. degree	None	None
19-1022 Microbiologists	109	122	13	11.9%	13	31	44	Bachelor's degree	Master's degree	None	None
19-1023 Zoologists and Wildlife Biologist:	1,308	1,507	199	15.2%	199	373	572	Bachelor's degree	Master's degree	None	None
19-1029 Biological Scientists, All Othe	879	956	77	8.8%	77	251	328	Bachelor's degree	Master's degree	None	None
19-1031 Conservation Scientist	492	546	54	11.0%	54	143	197	Bachelor's degree	Master's degree	None	None
19-1032 Foresters	819	904	85	10.4%	85	238	323	Bachelor's degree	Master's degree	None	None
19-1041 Epidemiologists	35	36	1	2.9%	1	7	8	Doctoral or prof. degree	Doctoral or prof. degree	None	None
19-1042 Medical Scientists, Except Epidemiologist:	1,068	1,248	180	16.9%	180	225	405	Doctoral or prof. degree	Doctoral or prof. degree	None	None
19-1099 Life Scientists, All Other	199	225	26	13.1%	26	42	68	Bachelor's degree	Master's degree	None	None
19-2011 Astronomers	1	1	0	0.0%	0	0	0	Master's degree	Doctoral or prof. degree	None	None
19-2012 Physicists	94	109	15	16.0%	15	23	38	Master's degree	Doctoral or prof. degree	None	None
19-2021 Atmospheric and Space Scientists	123	136	13	10.6%	13	30	43	Bachelor's degree	Master's degree	None	None
19-2031 Chemists	683	812	129	18.9%	129	177	306	Bachelor's degree	Master's degree	None	None
19-2032 Materials Scientist	58	64	6	10.3%	6	15	21	Bachelor's degree	Master's degree	None	None
19-2041 Environmental Scientists and Specialists, Including Healt	1,146	1,338	192	16.8%	192	338	530	Bachelor's degree	Master's degree	None	None
19-2042 Geoscientists, Except Hydrologists and Geographer	351	440	89	25.4%	89	103	192	Bachelor's degree	Master's degree	None	None
19-2043 Hydrologists	243	280	37	15.2%	37	72	109	Bachelor's degree	Master's degree	None	None
19-2099 Physical Scientists, All Othe	586	657	71	12.1%	71	122	193	Bachelor's degree	Master's degree	None	None
19-3011 Economists	365	446	81	22.2%	81	109	190	Bachelor's degree	Master's degree	None	None
19-3022 Survey Researchers	177	256	79	44.6%	79	24	103	Bachelor's degree	Master's degree	None	None
19-3031 Clinical, Counseling, and School Psychologists	1,147	1,375	228	19.9%	228	312	540	Master's degree	Doctoral or prof. degree	None	Internship/residency
19-3039 Psychologists, All Other	238	297	59	24.8%	59	65	124	Master's degree	Doctoral or prof. degree	None	Internship/residency
19-3051 Urban and Regional Planner:	1,023	1,163	140	13.7%	140	460	600	Bachelor's degree	Master's degree	None	None
19-3091 Anthropologists and Archeologist:	226	315	89	39.4%	89	38	127	Bachelor's degree	Master's degree	None	None
19-3092 Geographers	43	59	16	37.2%	16	7	23	Bachelor's degree	Master's degree	None	None
19-3093 Historians	16	20	4	25.0%	4	3	7	Master's degree	Doctoral or prof. degree	None	None
19-3099 Social Scientists and Related Workers, All Othe	525	644	119	22.7%	119	87	206	Bachelor's degree	Master's degree	None	None
19-4011 Agricultural and Food Science Technician	611	714	103	16.9%	103	221	324	Associate's degree	Associate's degree	None	Moderate-term OJT training
19-4021 Biological Technicians	2,626	3,002	376	14.3%	376	787	1,163	Associate's degree	Bachelor's degree	None	None
19-4031 Chemical Technicians	482	613	131	27.2%	131	119	250	Associate's degree	Bachelor's degree	None	Moderate-term OJT training
19-4041 Geological and Petroleum Technician:	26	34	8	30.8%	8	9	17	Associate's degree	Associate's degree	None	Moderate-term OJT training
19-4061 Social Science Research Assistant:	490	629	139	28.4%	139	193	332	Postsec. non-degree awarc	Bachelor's degree	None	None

*Occupations with declining employment have zero growth openings

NA Median wages not available

Annual wages represent a partial work year, e.g. school year

† Statewide wages

Oregon High Skill Occupations, 2012-2022

Oregon Employment Department, Workforce and Economic Research

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Typical Entry Level Education	Competitive Education	Work Experience	OJT Training
19-4091 Environmental Science and Protection Technicians, Including Health	340	406	66	19.4%	66	134	200	Associate's degree	Bachelor's degree	None	None
19-4092 Forensic Science Technician	203	218	15	7.4%	15	80	95	Bachelor's degree	Master's Degree	None	Moderate-term OJT training
19-4099 Life, Physical, and Social Science Technicians, All Other	1,245	1,452	207	16.6%	207	489	696	Associate's degree	Bachelor's degree	None	None
21-1012 Educational, Guidance, School, and Vocational Counselor	2,781	3,164	383	13.8%	383	591	974	Master's degree	Master's Degree	None	None
21-1013 Marriage and Family Therapist	458	591	133	29.0%	133	97	230	Master's degree	Master's Degree	None	Internship/residency
21-1014 Mental Health Counselors	1,916	2,282	366	19.1%	366	407	773	Master's degree	Master's Degree	None	Internship/residency
21-1015 Rehabilitation Counselor	1,397	1,598	201	14.4%	201	297	498	Master's degree	Master's Degree	None	None
21-1019 Counselors, All Other	224	259	35	15.6%	35	48	83	Master's degree	Master's Degree	None	None
21-1021 Child, Family, and School Social Worker	3,448	3,888	440	12.8%	440	730	1,170	Bachelor's degree	Master's Degree	None	None
21-1022 Healthcare Social Workers	1,328	1,559	231	17.4%	231	281	512	Bachelor's degree	Master's degree	None	None
21-1023 Mental Health and Substance Abuse Social Worker	2,172	2,555	383	17.6%	383	460	843	Master's degree	Master's Degree	None	None
21-1029 Social Workers, All Other	1,573	1,767	194	12.3%	194	333	527	Bachelor's degree	Master's Degree	None	None
21-1091 Health Educators	760	879	119	15.7%	119	199	318	Bachelor's degree	Master's Degree	None	None
21-1092 Probation Officers and Correctional Treatment Specialist	1,779	1,907	128	7.2%	128	465	593	Bachelor's degree	Bachelor's degree	None	Short-term OJT training
21-1094 Community Health Workers	287	328	41	14.3%	41	75	116	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
21-2011 Clergy	3,738	3,954	216	5.8%	216	765	981	Bachelor's degree	Doctoral or prof. degree	None	Moderate-term OJT training
21-2021 Directors, Religious Activities and Education	1,495	1,570	75	5.0%	75	509	584	Bachelor's degree	Bachelor's degree	Less than 5 years	None
21-2099 Religious Workers, All Other	374	393	19	5.1%	19	86	105	Bachelor's degree	Bachelor's degree	None	None
23-1011 Lawyers*	5,067	5,830	763	15.1%	763	811	1,574	Doctoral or prof. degree	Doctoral or prof. degree	None	None
23-1021 Administrative Law Judges, Adjudicators, and Hearing Officer	357	372	15	4.2%	15	57	72	Doctoral or prof. degree	Doctoral or prof. degree	Less than 5 years	Short-term OJT training
23-1022 Arbitrators, Mediators, and Conciliators	89	102	13	14.6%	13	14	27	Bachelor's degree	Doctoral or prof. degree	Less than 5 years	Moderate-term OJT training
23-1023 Judges, Magistrate Judges, and Magistrate	365	385	20	5.5%	20	58	78	Doctoral or prof. degree	Doctoral or prof. degree	5 years or more	Short-term OJT training
23-2011 Paralegals and Legal Assistant	2,155	2,626	471	21.9%	471	330	821	Associate's degree	Bachelor's degree	None	None
23-2091 Court Reporters	107	104	-3	-2.8%	0	17	17	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
23-2099 Legal Support Workers, All Other	400	442	42	10.5%	42	65	107	Postsec. non-degree award	Associate's degree	None	Short-term OJT training
25-1191 Graduate Teaching Assistant	2,947	3,303	356	12.1%	356	443	799	Bachelor's degree	Master's Degree	None	None
25-1199 Postsec. Teachers, Except Graduate Teaching Assistant	19,934	22,765	2,831	14.2%	2,831	2,996	5,827	Master's degree	Doctoral or prof. degree	None	None
25-2011 Preschool Teachers, Except Special Education	5,344	6,357	1,013	19.0%	1,013	1,500	2,513	Associate's degree	Bachelor's degree	None	None
25-2012 Kindergarten Teachers, Except Special Education	1,451	1,654	203	14.0%	203	407	610	Bachelor's degree	Master's degree	None	Internship/residency
25-2021 Elementary School Teachers, Except Special Education	13,423	15,151	1,728	12.9%	1,728	2,953	4,681	Bachelor's degree	Master's degree	None	Internship/residency
25-2022 Middle School Teachers, Except Special and Career/Technical Education	6,557	7,396	839	12.8%	839	1,443	2,282	Bachelor's degree	Master's degree	None	Internship/residency
25-2023 Career/Technical Education Teachers, Middle School	92	103	11	12.0%	11	20	31	Bachelor's degree	Master's degree	Less than 5 years	Internship/residency
25-2031 Secondary School Teachers, Except Special and Career/Technical Education	10,790	12,089	1,299	12.0%	1,299	2,932	4,231	Bachelor's degree	Master's degree	None	Internship/residency
25-2032 Career/Technical Education Teachers, Secondary School	258	288	30	11.6%	30	70	100	Bachelor's degree	Master's degree	Less than 5 years	Internship/residency
25-2051 Special Education Teachers, Preschool	77	85	8	10.4%	8	13	21	Bachelor's degree	Master's degree	None	Internship/residency
25-2052 Special Education Teachers, Kindergarten and Elementary School	1,557	1,754	197	12.7%	197	266	463	Bachelor's degree	Master's degree	None	Internship/residency
25-2053 Special Education Teachers, Middle School	678	759	81	12.0%	81	116	197	Bachelor's degree	Master's degree	None	Internship/residency
25-2054 Special Education Teachers, Secondary School	1,414	1,585	171	12.1%	171	241	412	Bachelor's degree	Master's degree	None	Internship/residency
25-2059 Special Education Teachers, All Other	79	88	9	11.4%	9	13	22	Bachelor's degree	Master's degree	None	Internship/residency
25-3011 Adult Basic and Secondary Education and Literacy Teachers and Instructors	700	815	115	16.4%	115	119	234	Bachelor's degree	Master's degree	None	Internship/residency
25-3021 Self-Enrichment Education Teachers	1,729	2,086	357	20.7%	357	295	652	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
25-3099 Teachers and Instructors, All Other	6,033	6,850	817	13.5%	817	1,030	1,847	Bachelor's degree	Master's degree	None	Internship/residency
25-4011 Archivists	55	61	6	10.9%	6	12	18	Master's degree	Master's Degree	None	None
25-4012 Curators	120	132	12	10.0%	12	26	38	Master's degree	Master's Degree	None	None
25-4013 Museum Technicians and Conservator	82	91	9	11.0%	9	18	27	Bachelor's degree	Master's Degree	None	None
25-4021 Librarians	1,789	1,983	194	10.8%	194	403	597	Master's degree	Master's Degree	None	None
25-4031 Library Technicians	1,684	1,879	195	11.6%	195	910	1,105	Postsec. non-degree award	Postsec. non-degree award	None	None
25-9011 Audio-Visual and Multimedia Collections Specialists, Education-related	90	98	8	8.9%	8	8	16	HS diploma or equivalent	Associate's degree	Less than 5 years	None
25-9021 Farm and Home Management Advisors	169	186	17	10.1%	17	14	31	Bachelor's degree	Bachelor's degree	None	None
25-9031 Instructional Coordinator	1,622	1,894	272	16.8%	272	139	411	Bachelor's degree	Master's degree	5 years or more	None
25-9099 Education, Training, and Library Workers, All Other	15,129	16,980	1,851	12.2%	1,851	1,292	3,143	Bachelor's degree	Bachelor's degree	None	None
27-1011 Art Directors*	436	544	108	24.8%	108	103	211	Bachelor's degree	Bachelor's degree	5 years or more	None
27-1012 Craft Artists*	40	46	6	15.0%	6	9	15	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
27-1013 Fine Artists, Including Painters, Sculptors, and Illustrators	151	179	28	18.5%	28	36	64	HS diploma or equivalent	Bachelor's degree	None	Long-term OJT training
27-1014 Multimedia Artists and Animators	645	866	221	34.3%	221	153	374	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
27-1019 Artists and Related Workers, All Other*	219	255	36	16.4%	36	52	88	HS diploma or equivalent	Bachelor's degree	None	Long-term OJT training
27-1021 Commercial and Industrial Designers	216	259	43	19.9%	43	57	100	Bachelor's degree	Bachelor's degree	None	None
27-1022 Fashion Designers*	343	417	74	21.6%	74	91	165	Bachelor's degree	Bachelor's degree	None	None
27-1024 Graphic Designers*	2,588	3,091	503	19.4%	503	685	1,188	Associate's degree	Bachelor's degree	None	None
27-1025 Interior Designers*	492	610	118	24.0%	118	130	248	Associate's degree	Bachelor's degree	None	None
27-1027 Set and Exhibit Designers*	109	133	24	22.0%	24	29	53	Bachelor's degree	Bachelor's degree	None	None
27-1029 Designers, All Other*	186	228	42	22.6%	42	49	91	Bachelor's degree	Bachelor's degree	None	None
27-2011 Actors*	218	263	45	20.6%	45	70	115	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
27-2012 Producers and Directors*	977	1,150	173	17.7%	173	330	503	Bachelor's degree	Bachelor's degree	Less than 5 years	None
27-2021 Athletes and Sports Competitors*	92	107	15	16.3%	15	27	42	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
27-2032 Choreographers*	237	334	97	40.9%	97	68	165	HS diploma or equivalent	Associate's degree	5 years or more	Long-term OJT training
27-2041 Music Directors and Composers*	684	724	40	5.9%	40	184	224	Bachelor's degree	Master's Degree	Less than 5 years	None
27-3011 Radio and Television Announcer	378	361	-17	-4.5%	0	78	78	Bachelor's degree	Bachelor's degree	None	None
27-3021 Broadcast News Analysts*	76	68	-8	-10.5%	0	26	26	Bachelor's degree	Bachelor's degree	None	None
27-3022 Reporters and Correspondents*	632	560	-72	-11.4%	0	215	215	Bachelor's degree	Bachelor's degree	None	None
27-3031 Public Relations Specialist	2,220	2,570	350	15.8%	350	304	654	Bachelor's degree	Bachelor's degree	None	None

*Occupations with declining employment have zero growth openings

NA Median wages not available

Annual wages represent a partial work year, e.g. school year

† Statewide wages

Oregon High Skill Occupations, 2012-2022

Oregon Employment Department, Workforce and Economic Research

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Typical Entry Level Education	Competitive Education	Work Experience	OJT Training
27-3041 Editors*	971	1,049	78	8.0%	78	236	314	Bachelor's degree	Bachelor's degree	Less than 5 years	None
27-3042 Technical Writers	692	831	139	20.1%	139	212	351	Bachelor's degree	Bachelor's degree	Less than 5 years	Short-term OJT training
27-3043 Writers and Authors*	531	626	95	17.9%	95	115	210	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
27-3099 Media and Communication Workers, All Other*	477	549	72	15.1%	72	65	137	Bachelor's degree	Bachelor's degree	None	Short-term OJT training
27-4011 Audio and Video Equipment Technicians	605	734	129	21.3%	129	109	238	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
27-4012 Broadcast Technicians*	400	399	-1	-0.3%	0	72	72	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
27-4014 Sound Engineering Technicians	140	157	17	12.1%	17	25	42	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
27-4021 Photographers*	505	574	69	13.7%	69	53	122	HS diploma or equivalent	Bachelor's degree	None	Long-term OJT training
27-4032 Film and Video Editors*	249	295	46	18.5%	46	19	65	Associate's degree	Bachelor's degree	None	None
Health Care											
29-1011 Chiropractors*	459	566	107	23.3%	107	90	197	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-1021 Dentists, General*	1,167	1,296	129	11.1%	129	285	414	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-1029 Dentists, All Other Specialists*	296	325	29	9.8%	29	72	101	Doctoral or prof. degree	Doctoral or prof. degree	None	Internship/residency
29-1031 Dietitians and Nutritionists	586	684	98	16.7%	98	70	168	Bachelor's degree	Bachelor's degree	None	Internship/residency
29-1041 Optometrists*	404	550	146	36.1%	146	117	263	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-1051 Pharmacists	3,506	4,144	638	18.2%	638	837	1,475	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-1060 Physicians and Surgeons	8,185	9,862	1,677	20.5%	1,677	2,049	3,726	Doctoral or prof. degree	Doctoral or prof. degree	None	Internship/residency
29-1071 Physician Assistants	931	1,291	360	38.7%	360	167	527	Master's degree	Master's degree	None	None
29-1081 Podiatrists*	64	89	25	39.1%	25	13	38	Doctoral or prof. degree	Doctoral or prof. degree	None	Internship/residency
29-1122 Occupational Therapist	1,084	1,336	252	23.3%	252	147	399	Master's degree	Doctoral or prof. degree	None	None
29-1123 Physical Therapist	2,362	3,025	663	28.1%	663	581	1,244	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-1124 Radiation Therapist	166	193	27	16.3%	27	34	61	Associate's degree	Bachelor's degree	None	None
29-1125 Recreational Therapist	131	160	29	22.1%	29	37	56	Bachelor's degree	Bachelor's degree	None	None
29-1126 Respiratory Therapist	1,175	1,333	158	13.5%	158	170	328	Associate's degree	Bachelor's degree	None	None
29-1127 Speech-Language Pathologist	952	1,133	181	19.0%	181	144	325	Master's degree	Doctoral or prof. degree	None	None
29-1128 Exercise Physiologist	37	38	1	2.7%	1	4	5	Bachelor's degree	Bachelor's degree	None	None
29-1129 Therapists, All Other*	99	121	22	22.2%	22	12	34	Bachelor's degree	Master's Degree	None	None
29-1131 Veterinarians*	1,069	1,288	219	20.5%	219	343	562	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-1141 Registered Nurses	30,677	35,636	4,959	16.2%	4,959	5,948	10,907	Associate's degree	Bachelor's degree	None	None
29-1151 Nurse Anesthetists	178	225	47	26.4%	47	35	82	Master's degree	Master's degree	None	None
29-1161 Nurse Midwives	171	235	64	37.4%	64	33	97	Master's degree	Master's degree	None	None
29-1171 Nurse Practitioners	958	1,215	257	26.8%	257	186	443	Master's degree	Master's degree	None	None
29-1181 Audiologists	220	293	73	33.2%	73	45	118	Master's degree	Doctoral or prof. degree	None	None
29-1199 Health Diagnosing and Treating Practitioners, All Other	383	499	116	30.3%	116	79	195	Doctoral or prof. degree	Doctoral or prof. degree	None	None
29-2011 Medical and Clinical Laboratory Technologist	1,683	1,899	216	12.8%	216	441	657	Bachelor's degree	Bachelor's degree	None	None
29-2012 Medical and Clinical Laboratory Technician	1,098	1,376	278	25.3%	278	288	566	Postsec. non-degree award	Associate's degree	None	None
29-2021 Dental Hygienists	3,356	3,975	619	18.4%	619	859	1,478	Associate's degree	Bachelor's degree	None	None
29-2031 Cardiovascular Technologists and Technician	630	796	166	26.4%	166	89	255	Associate's degree	Associate's degree	None	None
29-2032 Diagnostic Medical Sonographer	469	648	179	38.2%	179	66	245	Associate's degree	Bachelor's degree	None	None
29-2033 Nuclear Medicine Technologist	170	203	33	19.4%	33	24	57	Associate's degree	Bachelor's degree	None	None
29-2034 Radiologic Technologist	1,979	2,323	344	17.4%	344	279	623	Associate's degree	Bachelor's degree	None	None
29-2035 Magnetic Resonance Imaging Technologist	222	262	40	18.0%	40	31	71	Associate's degree	Associate's degree	Less than 5 years	None
29-2041 Emergency Medical Technicians and Paramedic	1,841	2,156	315	17.1%	315	502	817	Postsec. non-degree award	Postsec. non-degree award	None	None
29-2052 Pharmacy Technicians	4,699	5,550	851	18.1%	851	465	1,316	Postsec. non-degree award	Postsec. non-degree award	None	Moderate-term OJT training
29-2053 Psychiatric Technician	478	586	108	22.6%	108	47	155	Postsec. non-degree award	Associate's degree	None	Short-term OJT training
29-2055 Surgical Technologist	990	1,204	214	21.6%	214	98	312	Postsec. non-degree award	Associate's degree	None	None
29-2056 Veterinary Technologists and Technician	1,429	1,723	294	20.6%	294	141	435	Associate's degree	Associate's degree	None	None
29-2057 Ophthalmic Medical Technician	243	304	61	25.1%	61	24	85	Postsec. non-degree award	Postsec. non-degree award	None	None
29-2061 Licensed Practical and Licensed Vocational Nurse	2,705	3,242	537	19.9%	537	660	1,197	Postsec. non-degree award	Postsec. non-degree award	None	None
29-2071 Medical Records and Health Information Technician	3,014	3,630	616	20.4%	616	797	1,413	Postsec. non-degree award	Associate's degree	None	None
29-2081 Opticians, Dispensing	1,030	1,316	286	27.8%	286	296	582	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
29-2091 Orthotists and Prosthetist	106	137	31	29.3%	31	10	41	Bachelor's degree	Bachelor's degree	None	Internship/residency
29-2099 Health Technologists and Technicians, All Other	1,546	1,873	327	21.2%	327	153	480	Postsec. non-degree award	Postsec. non-degree award	None	None
29-9011 Occupational Health and Safety Specialist	946	1,057	111	11.7%	111	257	368	Bachelor's degree	Bachelor's degree	None	Short-term OJT training
29-9012 Occupational Health and Safety Technician	65	70	5	7.7%	5	18	23	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
29-9091 Athletic Trainers	207	250	43	20.8%	43	56	99	Bachelor's degree	Master's Degree	None	None
29-9099 Healthcare Practitioners and Technical Workers, All Other	811	964	153	18.9%	153	221	374	Associate's degree	Associate's degree	None	None
31-1014 Nursing Assistant	13,546	16,308	2,762	20.4%	2,762	2,576	5,338	Postsec. non-degree award	Postsec. non-degree award	None	None
31-2011 Occupational Therapy Assistant	180	233	53	29.4%	53	45	98	Associate's degree	Associate's degree	None	None
31-2021 Physical Therapist Assistant	582	768	186	32.0%	186	129	315	Associate's degree	Associate's degree	None	None
31-9011 Massage Therapists*	1,689	2,126	437	25.9%	437	179	616	Postsec. non-degree award	Postsec. non-degree award	None	None
31-9091 Dental Assistants	4,476	4,962	486	10.9%	486	928	1,414	Postsec. non-degree award	Postsec. non-degree award	None	None
31-9092 Medical Assistants	7,691	9,744	2,053	26.7%	2,053	1,467	3,520	Postsec. non-degree award	Postsec. non-degree award	None	None
31-9093 Medical Equipment Preparers	1,207	1,381	174	14.4%	174	230	404	Postsec. non-degree award	Postsec. non-degree award	None	Moderate-term OJT training
31-9094 Medical Transcriptionists	1,237	1,365	128	10.4%	128	236	364	Postsec. non-degree award	Associate's degree	None	None
31-9097 Phlebotomists	1,096	1,288	192	17.5%	192	209	401	Postsec. non-degree award	Postsec. non-degree award	None	None
Service											
33-1011 Supervisors and Managers of Correctional Officer	459	493	34	7.4%	34	159	193	HS diploma or equivalent	Bachelor's degree	Less than 5 years	Moderate-term OJT training
33-1012 Supervisors and Managers of Police and Detective	1,155	1,256	101	8.7%	101	341	442	HS diploma or equivalent	Bachelor's degree	Less than 5 years	Moderate-term OJT training
33-1021 Supervisors and Managers of Fire Fighting and Prevention Worker	1,104	1,211	107	9.7%	107	471	578	HS diploma or equivalent	Bachelor's degree	Less than 5 years	Moderate-term OJT training
33-1099 Supervisors and Managers of Protective Service Workers, All Other	671	782	111	16.5%	111	152	263	HS diploma or equivalent	Bachelor's degree	Less than 5 years	None
33-2011 Firefighters	3,715	4,076	361	9.7%	361	1,013	1,374	Postsec. non-degree award	Associate's degree	None	Long-term OJT training
33-2021 Fire Inspectors and Investigator	141	154	13	9.2%	13	41	54	Postsec. non-degree award	Postsec. non-degree award	5 years or more	Moderate-term OJT training
33-2022 Forest Fire Inspectors and Prevention Specialist	64	69	5	7.8%	5	19	24	HS diploma or equivalent	Associate's degree	Less than 5 years	Moderate-term OJT training

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Oregon High Skill Occupations, 2012-2022

Oregon Employment Department, Workforce and Economic Research

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Oregon Employment Department, Workforce and Economic Research

Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Typical Entry Level Education	Competitive Education	Work Experience	OJT Training
33-3021 Detectives and Criminal Investigators	826	883	57	6.9%	57	182	239	Associate's degree	Bachelor's degree	Less than 5 years	Moderate-term OJT training
33-9021 Private Detectives and Investigators	261	308	47	18.0%	47	73	120	Associate's degree	Associate's degree	Less than 5 years	Moderate-term OJT training
35-1011 Chefs and Head Cooks*	1,281	1,493	212	16.6%	212	208	420	Postsec. non-degree award	Postsec. non-degree award	5 years or more	None
35-1012 Supervisors and Managers of Food Preparation and Serving Worker	9,473	11,180	1,707	18.0%	1,707	2,673	4,380	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
37-1011 Supervisors and Managers of Housekeeping and Janitorial Workers	1,834	2,174	340	18.5%	340	438	778	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
37-1012 Supervisors and Managers of Landscaping and Groundskeeping Workers*	1,176	1,436	260	22.1%	260	134	394	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
39-1021 Supervisors and Managers of Personal Service Workers	2,288	2,746	458	20.0%	458	421	879	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
39-4011 Embalmers	37	37	0	0.0%	0	8	8	Associate's degree	Associate's degree	None	Short-term OJT training
39-4031 Morticians, Undertakers, and Funeral Director	149	166	17	11.4%	17	32	49	Associate's degree	Associate's degree	None	Long-term OJT training
39-5012 Hairdressers, Hairstylists, and Cosmetologists	4,120	5,377	1,257	30.5%	1,257	965	2,222	Postsec. non-degree award	Postsec. non-degree award	None	None
39-5092 Manicurists and Pedicurist	225	302	77	34.2%	77	19	96	Postsec. non-degree award	Postsec. non-degree award	None	None
39-5094 Skincare Specialists*	297	467	170	57.2%	170	25	195	Postsec. non-degree award	Postsec. non-degree award	None	None
Sales and Related											
41-1011 Supervisors and Managers of Retail Sales Workers	15,153	17,130	1,977	13.1%	1,977	3,297	5,274	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
41-1012 Supervisors and Managers of Non-Retail Sales Workers	3,683	4,200	517	14.0%	517	470	987	HS diploma or equivalent	Associate's degree	Less than 5 years	None
41-3021 Insurance Sales Agents*	3,221	3,547	326	10.1%	326	758	1,084	Postsec. non-degree award	Bachelor's degree	None	Moderate-term OJT training
41-3031 Securities, Commodities, and Financial Services Sales Agent	2,716	3,120	404	14.9%	404	635	1,039	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
41-4011 Wholesale and Manufacturing Sales Representatives, Technical and Scientific Products	5,185	6,037	852	16.4%	852	1,011	1,863	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
41-9021 Real Estate Brokers*	5,273	6,415	1,142	21.7%	1,142	496	1,638	Postsec. non-degree award	Postsec. non-degree award	Less than 5 years	None
41-9022 Real Estate Sales Agents*	7,007	8,511	1,504	21.5%	1,504	659	2,163	Postsec. non-degree award	Postsec. non-degree award	None	Long-term OJT training
41-9031 Sales Engineers	1,063	1,215	152	14.3%	152	186	338	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
Office and Administrative Support											
43-1011 Supervisors and Managers of Office and Administrative Support Workers	14,619	16,894	2,275	15.6%	2,275	3,469	5,744	HS diploma or equivalent	Associate's degree	Less than 5 years	None
43-3031 Bookkeeping, Accounting, and Auditing Clerk	26,026	30,280	4,254	16.4%	4,254	2,391	6,645	Postsec. non-degree award	Associate's degree	None	Moderate-term OJT training
43-6011 Executive Secretaries and Executive Administrative Assistant	9,476	10,159	683	7.2%	683	1,140	1,823	HS diploma or equivalent	Associate's degree	Less than 5 years	None
43-6012 Legal Secretaries	3,269	3,292	23	0.7%	23	393	416	Postsec. non-degree award	Associate's degree	None	Moderate-term OJT training
43-9031 Desktop Publishers	390	379	-11	-2.8%	0	72	72	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
43-9111 Statistical Assistants	289	343	54	18.7%	54	79	133	Bachelor's degree	Master's degree	None	None
Farming, Fishing, and Forestry											
45-2011 Agricultural Inspector	177	186	9	5.1%	9	52	61	Bachelor's degree	Bachelor's degree	None	Moderate-term OJT training
Construction and Extraction											
47-1011 Supervisors and Managers of Construction Trades and Extraction Workers*	4,323	5,471	1,148	26.6%	1,148	466	1,614	HS diploma or equivalent	Postsec. non-degree award	5 years or more	None
47-2011 Boilermakers	220	263	43	19.6%	43	99	142	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2021 Brickmasons and Blockmasons*	460	639	179	38.9%	179	49	228	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2022 Stonemasons*	34	47	13	38.2%	13	4	17	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2031 Carpenters*	9,124	12,094	2,970	32.6%	2,970	1,124	4,094	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2111 Electricians	7,270	8,559	1,289	17.7%	1,289	1,370	2,659	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2121 Glaziers	500	665	165	33.0%	165	118	283	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2132 Insulation Workers, Mechanical	70	85	15	21.4%	15	9	24	HS diploma or equivalent	HS diploma or equivalent	None	Apprenticeship
47-2152 Plumbers, Pipefitters, and Steamfitters*	3,631	4,245	614	16.9%	614	452	1,066	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2211 Sheet Metal Workers	2,631	3,181	550	20.9%	550	496	1,046	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-2221 Structural Iron and Steel Workers	387	511	124	32.0%	124	126	250	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
47-4011 Construction and Building Inspectors	1,229	1,422	193	15.7%	193	291	484	HS diploma or equivalent	Associate's degree	5 years or more	Moderate-term OJT training
Installation, Maintenance, and Repair											
49-1011 Supervisors and Managers of Mechanics, Installers, and Repaire	4,472	4,950	478	10.7%	478	1,209	1,687	HS diploma or equivalent	Postsec. non-degree award	Less than 5 years	None
49-2021 Radio, Cellular, and Tower Equipment Installers and Repairer	371	407	36	9.7%	36	51	87	Postsec. non-degree award	Postsec. non-degree award	None	Moderate-term OJT training
49-2022 Telecommunications Equipment Installers and Repairers, Except Line Installers	2,346	2,430	84	3.6%	84	322	406	Postsec. non-degree award	Postsec. non-degree award	None	Moderate-term OJT training
49-2091 Avionics Technicians	82	87	5	6.1%	5	17	22	Postsec. non-degree award	Associate's degree	None	None
49-2092 Electric Motor, Power Tool, and Related Repairer	244	270	26	10.7%	26	43	69	Postsec. non-degree award	Postsec. non-degree award	None	Long-term OJT training
49-2093 Electrical and Electronics Installers and Repairers, Transportation Equipment	232	259	27	11.6%	27	47	74	Postsec. non-degree award	Associate's degree	None	Long-term OJT training
49-2094 Electrical and Electronics Repairers, Commercial and Industrial Equipment	933	1,075	142	15.2%	142	188	330	Postsec. non-degree award	Associate's degree	None	Long-term OJT training
49-2095 Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	209	223	14	6.7%	14	42	56	Postsec. non-degree award	Postsec. non-degree award	None	Long-term OJT training
49-2096 Electronic Equipment Installers and Repairers, Motor Vehicles	252	237	-15	-6.0%	0	23	23	Postsec. non-degree award	Postsec. non-degree award	None	Short-term OJT training
49-2097 Electronic Home Entertainment Equipment Installers and Repairers	311	306	-5	-1.6%	0	110	110	Postsec. non-degree award	Postsec. non-degree award	None	None
49-2098 Security and Fire Alarm Systems Installer	727	865	138	19.0%	138	148	286	Postsec. non-degree award	Postsec. non-degree award	None	Moderate-term OJT training
49-3011 Aircraft Mechanics and Service Technician	1,085	1,137	52	4.8%	52	291	343	Postsec. non-degree award	Associate's degree	None	None
49-3023 Automotive Service Technicians and Mechanics	5,732	6,358	626	10.9%	626	1,449	2,075	Postsec. non-degree award	Associate's degree	None	Long-term OJT training
49-3031 Bus and Truck Mechanics and Diesel Engine Specialist	3,790	4,309	519	13.7%	519	808	1,327	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
49-3041 Farm Equipment Mechanics	1,123	1,328	205	18.3%	205	324	529	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
49-3042 Mobile Heavy Equipment Mechanics, Except Engine	1,822	2,099	277	15.2%	277	526	803	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
49-3052 Motorcycle Mechanics*	252	267	15	6.0%	15	53	68	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
49-3092 Recreational Vehicle Service Technician	378	405	27	7.1%	27	132	159	Postsec. non-degree award	Associate's degree	None	Long-term OJT training
49-9021 Heating, Air Conditioning, and Refrigeration Mechanics and Install	2,675	3,152	477	17.8%	477	678	1,155	Postsec. non-degree award	Postsec. non-degree award	None	Long-term OJT training
49-9041 Industrial Machinery Mechanic	3,723	4,946	1,223	32.9%	1,223	1,075	2,298	HS diploma or equivalent	Postsec. non-degree award	None	Long-term OJT training
49-9044 Millwrights	762	909	147	19.3%	147	118	265	HS diploma or equivalent	Postsec. non-degree award	None	Apprenticeship
49-9051 Electrical Power-Line Installers and Repairer	1,478	1,621	143	9.7%	143	512	655	Postsec. non-degree award	Postsec. non-degree award	None	Long-term OJT training

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Oregon High Skill Occupations, 2012-2022

Oregon Employment Department, Workforce and Economic Research

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Standard Occupational Classification Code and Title	2012 Employment	2022 Employment	Employment Change	Percent Change	Growth Openings*	Replacement Openings	Total Openings	Typical Entry Level Education	Competitive Education	Work Experience	OJT Training
49-9052 Telecommunications Line Installers and Repairer	1,390	1,375	-15	-1.1%	0	341	341 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
49-9062 Medical Equipment Repairers'	592	807	215	36.3%	215	165	380 Postsec. non-degree award	Associate's degree	None	None	Moderate-term OJT training
49-9063 Musical Instrument Repairers and Tuners	65	76	11	16.9%	11	18	29 Postsec. non-degree award	Postsec. non-degree award	None	None	Apprenticeship
49-9064 Watch Repairers*	29	30	1	3.5%	1	8	9 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
49-9069 Precision Instrument and Equipment Repairers, All Other	461	513	52	11.3%	52	128	180 Associate's degree	Associate's degree	None	None	Long-term OJT training
49-9071 Maintenance and Repair Workers, General	12,619	14,411	1,792	14.2%	1,792	2,424	4,216 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
49-9081 Wind Turbine Service Technicians	100	134	34	34.0%	34	17	51 Associate's degree	Associate's degree	None	None	Long-term OJT training
49-9094 Locksmiths and Safe Repairers'	381	455	74	19.4%	74	127	201 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
49-9097 Signal and Track Switch Repairers	113	121	8	7.1%	8	27	35 Postsec. non-degree award	Postsec. non-degree award	None	None	Moderate-term OJT training
Production											
51-1011 Supervisors and Managers of Production and Operating Worker	6,960	7,757	797	11.5%	797	979	1,776 HS diploma or equivalent	Bachelor's degree	Less than 5 years	None	None
51-3021 Butchers and Meat Cutters	1,630	1,820	190	11.7%	190	402	592 Less than HS	Postsec. non-degree award	None	None	Long-term OJT training
51-4012 Numerical Tool and Process Control Programmer	462	680	218	47.2%	218	129	347 Postsec. non-degree award	Postsec. non-degree award	None	None	Long-term OJT training
51-4041 Machinists	3,044	3,861	817	26.8%	817	697	1,514 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
51-4111 Tool and Die Makers	354	415	61	17.2%	61	21	82 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
51-8012 Power Distributors and Dispatcher	274	287	13	4.7%	13	85	98 HS diploma or equivalent	Bachelor's degree	None	None	Long-term OJT training
51-8013 Power Plant Operators	139	132	-7	-5.0%	0	43	43 Postsec. non-degree award	Bachelor's degree	None	None	Long-term OJT training
51-8031 Water and Wastewater Treatment Plant and System Operators	1,101	1,186	85	7.7%	85	386	471 Postsec. non-degree award	Postsec. non-degree award	None	None	Long-term OJT training
51-8091 Chemical Plant and System Operators	204	223	19	9.3%	19	76	95 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
51-8093 Petroleum Pump System Operators, Refinery Operators, and Gauger	87	88	1	1.2%	1	32	33 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
51-8099 Plant and System Operators, All Other	229	251	22	9.6%	22	85	107 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
51-9071 Jewelers and Precious Stone and Metal Workers'	341	345	4	1.2%	4	70	74 Postsec. non-degree award	Postsec. non-degree award	None	None	Long-term OJT training
51-9082 Medical Appliance Technician	95	109	14	14.7%	14	32	46 HS diploma or equivalent	Postsec. non-degree award	None	None	Long-term OJT training
Transportation and Material Moving											
53-1021 Supervisors and Managers of Transportation Helpers, Laborers, and Material Movers, Hand	1,761	1,993	232	13.2%	232	484	716 HS diploma or equivalent	Associate's degree	Less than 5 years	None	None
53-1031 Supervisors and Managers of Transportation and Material-Moving Machine and Vehicle Operators	2,852	3,206	354	12.4%	354	784	1,138 HS diploma or equivalent	Bachelor's degree	Less than 5 years	None	None
53-2011 Airline Pilots, Copilots, and Flight Engineer	542	558	16	3.0%	16	157	173 Associate's degree	Bachelor's degree	Less than 5 years	None	Moderate-term OJT training
53-2012 Commercial Pilots, Except Airline Pilot	675	769	94	13.9%	94	195	289 Associate's degree	Bachelor's degree	None	None	Moderate-term OJT training
53-2021 Air Traffic Controllers	167	174	7	4.2%	7	74	81 Postsec. non-degree award	Postsec. non-degree award	None	None	Long-term OJT training
53-2031 Flight Attendants	641	670	29	4.5%	29	106	135 HS diploma or equivalent	Bachelor's degree	Less than 5 years	None	Moderate-term OJT training
53-3032 Truck Drivers, Heavy and Tractor-Trailers	21,630	25,054	3,424	15.8%	3,424	3,459	6,883 Postsec. non-degree award	Postsec. non-degree award	None	None	Short-term OJT training
53-5021 Captains, Mates, and Pilots of Water Vessels'	245	274	29	11.8%	29	114	143 Postsec. non-degree award	Postsec. non-degree award	None	None	None
53-6041 Traffic Technicians	60	71	11	18.3%	11	24	35 Postsec. non-degree award	Bachelor's degree	None	None	Moderate-term OJT training

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