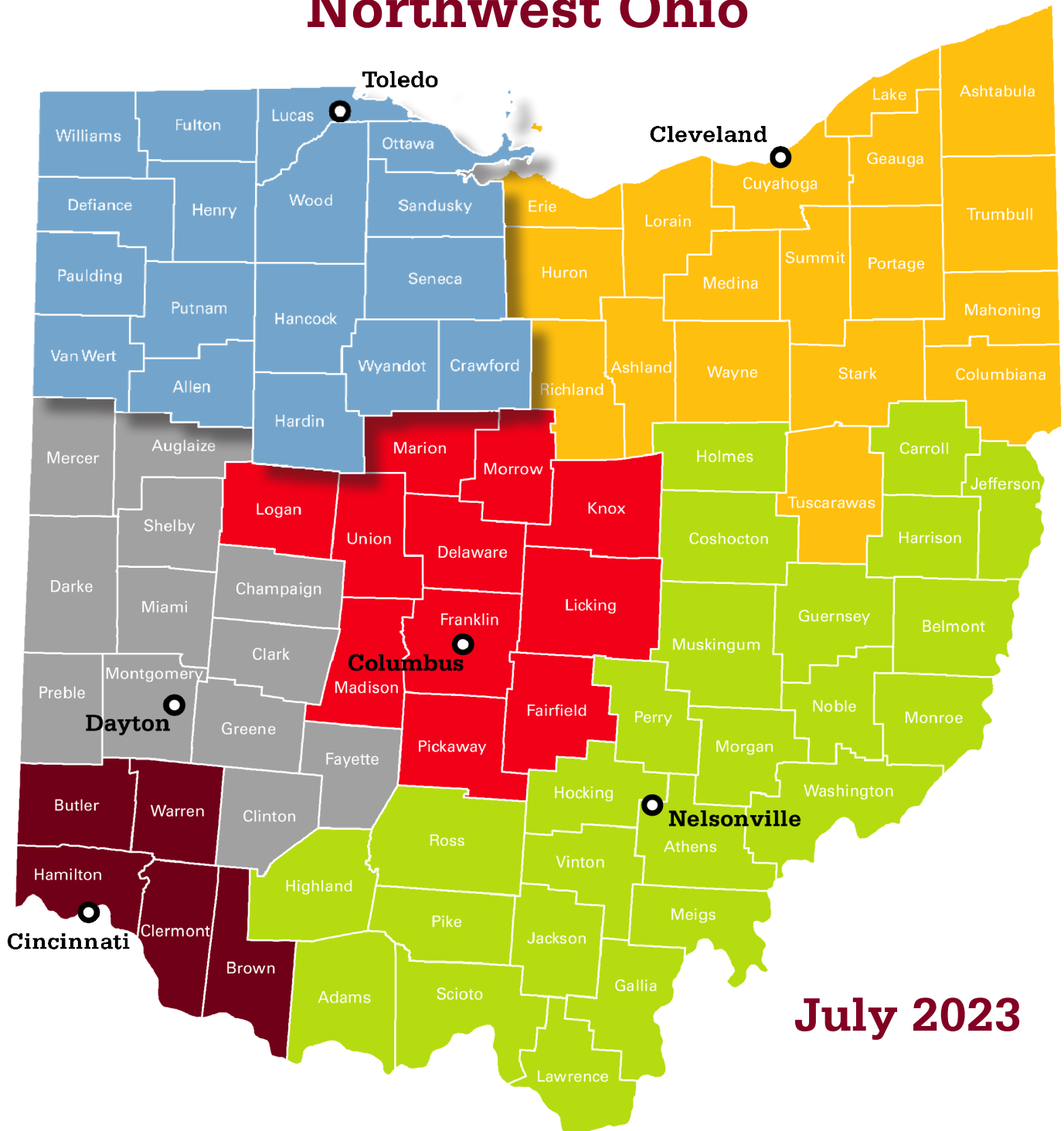




Department of
Job and Family Services

2030 Job Outlook

JobsOhio Network Northwest Ohio



July 2023

2030 Job Outlook for JobsOhio Network Regions

The Ohio Department of Job and Family Services' Bureau of Labor Market Information updates employment projections every two years. The projections are widely used for studying long-range economic and employment trends, planning education and training programs, and developing career information. This edition uses employment statistics through 2020 as a foundation to project employment conditions for the 10-year period ending in 2030.

The table below summarizes 2020 employment levels and projected 2030 levels for Ohio's six JobsOhio Regions. The difference between those years represents projected new jobs due to industry growth. The number of these new jobs is expected to range from a growth of 93,045 in the Central Region to a growth of 13,641 jobs in the Southeast Region. Among the state's regions, the highest projected growth is in Central Ohio (8.0%); followed by Southwest Ohio (6.0%), West Ohio (4.1%), Southeast Ohio (4.0%), Northeast Ohio (3.0%), and Northwest Ohio (2.7%).

Comparison of JobsOhio Regional Network: 2020-2030

JobsOhio Regions	2020 Employment	2030 Projected Employment	Projected Change 2020-2030	
			Number	Percent
Central Ohio	1,168,921	1,261,966	93,045	8.0%
Southwest Ohio	888,939	942,233	53,294	6.0%
West Ohio	590,922	615,181	24,259	4.1%
Southeast Ohio	345,649	359,290	13,641	4.0%
Northeast Ohio	1,996,374	2,056,711	60,337	3.0%
Northwest Ohio	576,227	591,855	15,628	2.7%

Each 2030 Job Outlook report for Ohio's JobsOhio Region contains a summary of the employment outlook by industry and occupation. Typical education, work experience, and on-the-job training required for each occupation are provided. Annual openings are the result of industry growth and vacancies resulting from retirement and transfers to different occupations.

Technical Notes

Projections of employment demand were made primarily at the four-digit industry level and then aggregated to the three-digit level, based on the North American Industry Classification System (NAICS). Shift-share, time-series and regression analysis techniques were used to compare Ohio's historical regional industry employment to statewide and national industry employment, population growth and various other factors. State and local area projections are partially dependent on the outlook for specific industries nationally.

Regional staffing patterns were estimated using the Local Employment and Wage Information System, which creates wage estimates for customized geographic regions using data from the Occupational Employment and Wage Statistics (OEWS) surveys. Wage estimates are based on Ohio's OEWS surveys. Wage estimates represent May 2021.

Ohio industry staffing patterns were adjusted for expected technological change and other factors from national data provided by the U.S. Bureau of Labor Statistics (BLS). To project occupational openings, Ohio uses national separation rates calculated by the BLS caused by workers exiting the labor force due to retirement or other reasons (labor force exits) and separations caused by workers transferring to different occupations (occupational transfers). Projections of separations are combined with projections of employment change to estimate occupational openings.

Inclusion of education and training levels is made possible by the classification of the Standard Occupational Classification-based occupations into 11 distinct categories by the BLS Office of Occupational Statistics and Employment Projections.

Because it is difficult to estimate future needs with certainty, the long-term job outlook data are updated every other year. More information about projected local job growth in Ohio is available through reports published at [Employment Projections \(ohiolmi.com\)](https://ohiolmi.com).

For more information, contact the Ohio Bureau of Labor Market Information at (614) 752-9494 or ContactLMI@jfs.ohio.gov.

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
00-0000	Total, All Occupations	576,227	591,855	15,628	2.7%	1,563	25,435	38,747	65,745	\$18.24
11-0000	Management Occupations	36,362	38,459	2,097	5.8%	210	1,416	1,753	3,379	\$45.52
11-1011	Chief Executives	597	539	-58	-9.7%	-6	16	23	33	\$78.00
11-1021	General and Operations Managers	6,254	6,601	347	5.6%	35	128	398	561	\$38.04
11-1031	Legislators	190	195	5	2.6%	0	4	9	13	\$36,749 **
11-2021	Marketing Managers	461	494	33	7.2%	3	10	30	43	\$60.82
11-2022	Sales Managers	721	755	34	4.7%	3	15	46	64	\$58.61
11-2030	Public Relations and Fundraising Managers	126	132	6	4.8%	1	3	7	11	\$57.62 ^
11-3010	Administrative Services and Facilities Managers	1,026	1,071	45	4.4%	4	30	52	86	\$47.73 ^
11-3021	Computer and Information Systems Managers	640	674	34	5.3%	3	11	37	51	\$59.43
11-3031	Financial Managers	1,573	1,751	178	11.3%	18	34	84	136	\$57.70
11-3051	Industrial Production Managers	1,513	1,602	89	5.9%	9	30	74	113	\$47.78
11-3061	Purchasing Managers	176	194	18	10.2%	2	4	10	16	\$57.73
11-3071	Transportation, Storage, and Distribution Managers	630	671	41	6.5%	4	12	36	52	\$44.96
11-3121	Human Resources Managers	302	320	18	6.0%	2	7	17	26	\$55.85
11-9013	Farmers, Ranchers, and Other Agricultural Managers	14,229	14,872	643	4.5%	64	898	506	1,468	\$35.12 ^
11-9021	Construction Managers	1,062	1,165	103	9.7%	10	23	56	89	\$46.20
11-9031	Education Administrators, Preschool and Childcare Center/Program	144	156	12	8.3%	1	4	7	12	\$22.10
11-9032	Education Administrators, Elementary and Secondary School	952	1,007	55	5.8%	6	24	46	76	\$94,122 **
11-9033	Education Administrators, Postsecondary	387	372	-15	-3.9%	-2	9	18	25	\$46.39
11-9041	Architectural and Engineering Managers	431	454	23	5.3%	2	8	22	32	\$60.70
11-9051	Food Service Managers	656	705	49	7.5%	5	21	54	80	\$23.25
11-9111	Medical and Health Services Managers	1,410	1,741	331	23.5%	33	39	80	152	\$45.44
11-9141	Property, Real Estate, and Community Association Managers	878	877	-1	-0.1%	0	33	33	66	\$22.62
11-9151	Social and Community Service Managers	448	482	34	7.6%	3	14	25	42	\$29.36
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All Other	1,090	1,149	59	5.4%	6	26	55	87	\$59.93 ^^^
13-0000	Business and Financial Operations Occupations	23,088	24,269	1,181	5.1%	118	627	1,414	2,159	\$29.49
13-1020	Buyers and Purchasing Agents	1,282	1,219	-63	-4.9%	-6	42	80	116	\$29.12
13-1031	Claims Adjusters, Examiners, and Investigators	689	644	-45	-6.5%	-4	16	35	47	\$29.96
13-1041	Compliance Officers	619	646	27	4.4%	3	15	34	52	\$28.90
13-1051	Cost Estimators	824	822	-2	-0.2%	0	23	50	73	\$29.92
13-1071	Human Resources Specialists	2,841	3,123	282	9.9%	28	81	198	307	\$28.20
13-1075	Labor Relations Specialists	715	622	-93	-13.0%	-9	18	44	53	\$30.32
13-1081	Logisticians	596	809	213	35.7%	21	15	46	82	\$36.00
13-1111	Management Analysts	851	942	91	10.7%	9	29	52	90	\$36.87
13-1121	Meeting, Convention, and Event Planners	235	259	24	10.2%	2	7	18	27	\$22.97
13-1131	Fundraisers	493	528	35	7.1%	4	16	32	52	\$23.76
13-1151	Training and Development Specialists	1,038	1,123	85	8.2%	8	33	66	107	\$22.95
13-1161	Market Research Analysts and Marketing Specialists	2,119	2,466	347	16.4%	35	54	168	257	\$28.63
13-1198	Project Management Specialists and Business Operations Specialists, All Other	3,962	4,180	218	5.5%	22	94	200	316	\$35.90 ^^^

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
13-2011	Accountants and Auditors	4,031	4,210	179	4.4%	18	115	244	377	\$30.17
13-2041	Credit Analysts	166	136	-30	-18.1%	-3	3	10	10	\$29.56
13-2052	Personal Financial Advisors	389	394	5	1.3%	0	9	19	28	\$37.71
13-2053	Insurance Underwriters	149	140	-9	-6.0%	-1	3	8	10	\$36.94
13-2072	Loan Officers	927	801	-126	-13.6%	-13	19	47	53	\$29.36
13-2082	Tax Preparers	241	240	-1	-0.4%	0	13	13	26	\$14.57
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	454	481	27	6.0%	3	8	27	38	\$35.21 ^^^
15-0000	Computer and Mathematical Occupations	7,626	8,227	601	7.9%	60	161	393	614	\$30.27
15-1211	Computer Systems Analysts	791	821	30	3.8%	3	16	40	59	\$37.26
15-1231	Computer Network Support Specialists	800	790	-10	-1.3%	-1	15	42	56	\$22.76
15-1232	Computer User Support Specialists	1,182	1,212	30	2.5%	3	22	63	88	\$22.44
15-1241	Computer Network Architects	222	233	11	5.0%	1	3	10	14	\$47.15
15-1244	Network and Computer Systems Administrators	913	922	9	1.0%	1	15	43	59	\$36.78
15-1245	Database Administrators and Architects	302	327	25	8.3%	2	7	15	24	\$47.44 ^^^
15-1251	Computer Programmers	386	350	-36	-9.3%	-4	7	17	20	\$36.96
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	1,816	2,197	381	21.0%	38	46	98	182	\$49.49 ^^^
15-1257	Web Developers and Digital Interface Designers	268	278	10	3.7%	1	6	13	20	\$49.49 ^^^
15-1299	Computer Occupations, All Other	505	537	32	6.3%	3	12	26	41	\$36.05
15-2031	Operations Research Analysts	139	169	30	21.6%	3	3	7	13	\$38.19
17-0000	Architecture and Engineering Occupations	9,294	10,048	754	8.1%	75	226	461	762	\$36.85
17-1011	Architects, Except Landscape and Naval	174	175	1	0.6%	0	5	7	12	\$37.03
17-1022	Surveyors	154	152	-2	-1.3%	0	5	8	13	\$28.95
17-2051	Civil Engineers	734	778	44	6.0%	4	15	38	57	\$37.53
17-2071	Electrical Engineers	644	703	59	9.2%	6	16	27	49	\$44.69
17-2081	Environmental Engineers	104	104	0	0.0%	0	2	5	7	\$47.62
17-2112	Industrial Engineers	1,591	1,869	278	17.5%	28	38	69	135	\$37.91
17-2131	Materials Engineers	225	244	19	8.4%	2	5	9	16	\$38.42
17-2141	Mechanical Engineers	1,594	1,781	187	11.7%	19	29	70	118	\$36.74
17-2199	Engineers, All Other	584	642	58	9.9%	6	13	25	44	\$37.39
17-3011	Architectural and Civil Drafters	299	287	-12	-4.0%	-1	9	19	27	\$27.18
17-3013	Mechanical Drafters	168	158	-10	-6.0%	-1	5	10	14	\$27.36
17-3022	Civil Engineering Technicians	228	227	-1	-0.4%	0	7	14	21	\$28.64
17-3023	Electrical and Electronics Engineering Technicians	471	505	34	7.2%	3	15	30	48	\$29.78
17-3026	Industrial Engineering Technicians	367	387	20	5.5%	2	11	23	36	\$28.64
17-3027	Mechanical Engineering Technicians	264	283	19	7.2%	2	8	17	27	\$28.30
17-3031	Surveying and Mapping Technicians	210	208	-2	-1.0%	0	7	18	25	\$18.20
19-0000	Life, Physical, and Social Science Occupations	3,343	3,519	176	5.3%	18	76	236	330	\$30.03
19-1031	Conservation Scientists	103	106	3	2.9%	0	2	7	9	\$26.54
19-2031	Chemists	243	262	19	7.8%	2	4	19	25	\$30.97
19-2041	Environmental Scientists and Specialists, Including Health	240	252	12	5.0%	1	4	20	25	\$35.69

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
19-3031	Clinical, Counseling, and School Psychologists	332	343	11	3.3%	1	9	13	23	\$38.96 ^^^
19-4031	Chemical Technicians	359	377	18	5.0%	2	6	33	41	\$23.43
19-4042	Environmental Science and Protection Technicians, Including Health	154	159	5	3.3%	0	4	15	19	\$21.74
19-5011	Occupational Health and Safety Specialists	561	593	32	5.7%	3	16	25	44	\$37.03
19-5012	Occupational Health and Safety Technicians	115	118	3	2.6%	0	3	5	8	\$28.31
21-0000	Community and Social Service Occupations	10,176	10,740	564	5.5%	56	361	668	1,085	\$22.58
21-1012	Educational, Guidance, School, and Vocational Counselors	1,195	1,257	62	5.2%	6	40	73	119	\$28.45
21-1015	Rehabilitation Counselors	528	600	72	13.6%	7	18	33	58	\$17.48
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	779	916	137	17.6%	14	28	50	92	\$22.62
21-1021	Child, Family, and School Social Workers	861	913	52	6.0%	5	25	56	86	\$22.62
21-1022	Healthcare Social Workers	665	682	17	2.6%	2	19	43	64	\$24.41
21-1023	Mental Health and Substance Abuse Social Workers	835	914	79	9.5%	8	24	55	87	\$22.50
21-1029	Social Workers, All Other	205	221	16	7.8%	2	6	14	22	\$22.78
21-1091	Health Educators	268	278	10	3.7%	1	9	19	29	\$25.08
21-1092	Probation Officers and Correctional Treatment Specialists	462	471	9	2.0%	1	10	28	39	\$28.54
21-1093	Social and Human Service Assistants	1,767	1,881	114	6.5%	11	73	138	222	\$17.24
21-1094	Community Health Workers	180	200	20	11.1%	2	6	13	21	\$18.16
21-1099	Community and Social Service Specialists, All Other	121	129	8	6.6%	1	4	9	14	\$18.64
21-2011	Clergy	1,822	1,796	-26	-1.4%	-3	74	104	175	\$21.75
23-0000	Legal Occupations	2,459	2,522	63	2.6%	6	67	94	167	\$30.29
23-1011	Lawyers	1,301	1,330	29	2.2%	3	28	32	63	\$45.87
23-1023	Judges, Magistrate Judges, and Magistrates	333	334	1	0.3%	0	7	8	15	\$60.41
23-2011	Paralegals and Legal Assistants	651	683	32	4.9%	3	26	45	74	\$17.73
25-0000	Education, Training, and Library Occupations	30,823	32,540	1,717	5.6%	172	1,204	1,406	2,782	\$28.36
25-1011	Business Teachers, Postsecondary	373	350	-23	-6.2%	-2	16	17	31	\$75,182 **
25-1021	Computer Science Teachers, Postsecondary	102	96	-6	-5.9%	-1	4	5	8	\$81,983 **
25-1022	Mathematical Science Teachers, Postsecondary	215	201	-14	-6.5%	-1	9	10	18	\$63,904 **
25-1032	Engineering Teachers, Postsecondary	267	266	-1	-0.4%	0	12	12	24	\$99,215 **
25-1066	Psychology Teachers, Postsecondary	124	119	-5	-4.0%	0	5	6	11	\$81,983 **
25-1071	Health Specialties Teachers, Postsecondary	813	889	76	9.4%	8	38	40	86	\$82,327 **
25-1072	Nursing Instructors and Teachers, Postsecondary	295	323	28	9.5%	3	14	14	31	\$74,277 **
25-1121	Art, Drama, and Music Teachers, Postsecondary	399	385	-14	-3.5%	-1	18	18	35	\$63,904 **
25-1122	Communications Teachers, Postsecondary	134	123	-11	-8.2%	-1	6	6	11	\$77,026 **
25-1123	English Language and Literature Teachers, Postsecondary	252	241	-11	-4.4%	-1	11	12	22	\$63,904 **
25-1194	Vocational Education Teachers, Postsecondary	282	265	-17	-6.0%	-2	12	13	23	\$23.97
25-1199	Postsecondary Teachers, All Other	200	189	-11	-5.5%	-1	9	9	17	\$60,902 **
25-2011	Preschool Teachers, Except Special Education	1,103	1,317	214	19.4%	21	50	71	142	\$13.77
25-2012	Kindergarten Teachers, Except Special Education	309	332	23	7.4%	2	13	19	34	\$58,928 **
25-2021	Elementary School Teachers, Except Special Education	5,967	6,379	412	6.9%	41	189	247	477	\$61,199 **
25-2022	Middle School Teachers, Except Special and Career/Technical Education	2,333	2,492	159	6.8%	16	74	97	187	\$60,941 **
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	6,040	6,451	411	6.8%	41	166	253	460	\$62,834 **

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
25-2032	Career/Technical Education Teachers, Secondary School	281	299	18	6.4%	2	8	12	22	\$75,840 **
25-2052	Special Education Teachers, Kindergarten and Elementary School	701	746	45	6.4%	4	24	29	57	\$60,533 **
25-2057	Special Education Teachers, Middle School	235	248	13	5.5%	1	8	10	19	\$49,380 **
25-2058	Special Education Teachers, Secondary School	970	1,006	36	3.7%	4	32	39	75	\$49,516 **
25-3031	Substitute Teachers, Short-Term	988	1,109	121	12.3%	12	63	56	131	\$13.88
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	755	803	48	6.4%	5	46	42	93	\$17.94 ^^^
25-4022	Librarians and Media Collections Specialists	544	552	8	1.5%	1	27	24	52	\$22.84
25-4031	Library Technicians	339	315	-24	-7.1%	-2	27	20	45	\$13.90
25-9031	Instructional Coordinators	464	470	6	1.3%	1	23	20	44	\$28.92
25-9044	Teaching Assistants, Postsecondary	124	116	-8	-6.5%	-1	5	6	10	\$19,214 **
25-9045	Teaching Assistants, Except Postsecondary	3,807	3,996	189	5.0%	19	174	182	375	\$27,854 **
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	8,116	8,275	159	2.0%	16	346	539	901	\$18.41
27-1011	Art Directors	293	302	9	3.1%	1	14	16	31	\$38.72
27-1021	Commercial and Industrial Designers	110	111	1	0.9%	0	3	7	10	\$29.84
27-1023	Floral Designers	258	193	-65	-25.2%	-6	7	13	14	\$13.69
27-1024	Graphic Designers	953	962	9	0.9%	1	29	57	87	\$22.62
27-1025	Interior Designers	123	118	-5	-4.1%	0	4	7	11	\$21.87
27-1026	Merchandise Displayers and Window Trimmers	354	363	9	2.5%	1	11	21	33	\$13.99
27-2012	Producers and Directors	196	205	9	4.6%	1	4	13	18	\$23.71
27-2022	Coaches and Scouts	2,192	2,375	183	8.4%	18	130	184	332	\$28,119 **
27-2041	Music Directors and Composers	207	206	-1	-0.5%	0	12	12	24	\$19.36
27-3011	Radio and Television Announcers	135	131	-4	-3.0%	0	5	7	12	\$11.15
27-3023	News Analysts, Reporters, and Journalists	203	183	-20	-9.9%	-2	6	15	19	\$18.40
27-3031	Public Relations Specialists	580	618	38	6.6%	4	15	39	58	\$23.67
27-3041	Editors	146	134	-12	-8.2%	-1	5	9	13	\$23.34
27-3043	Writers and Authors	374	341	-33	-8.8%	-3	14	20	31	\$21.57
27-4012	Broadcast Technicians	119	115	-4	-3.4%	0	3	9	12	\$17.99
27-4021	Photographers	321	270	-51	-15.9%	-5	10	17	22	\$15.13
29-0000	Healthcare Practitioners and Technical Occupations	37,908	38,969	1,061	2.8%	106	989	1,168	2,263	\$29.27
29-1011	Chiropractors	182	182	0	0.0%	0	3	2	5	\$29.38
29-1031	Dietitians and Nutritionists	251	260	9	3.6%	1	8	9	18	\$28.87
29-1041	Optometrists	226	224	-2	-0.9%	0	4	3	7	\$49.29
29-1051	Pharmacists	1,604	1,513	-91	-5.7%	-9	29	30	50	\$60.92
29-1071	Physician Assistants	278	351	73	26.3%	7	5	12	24	\$58.21
29-1122	Occupational Therapists	610	645	35	5.7%	4	14	20	38	\$37.61
29-1123	Physical Therapists	799	872	73	9.1%	7	16	17	40	\$45.97
29-1126	Respiratory Therapists	665	755	90	13.5%	9	15	18	42	\$28.52
29-1127	Speech-Language Pathologists	677	783	106	15.7%	11	17	26	54	\$36.29
29-1131	Veterinarians	250	221	-29	-11.6%	-3	4	4	5	\$46.68
29-1141	Registered Nurses	13,307	13,440	133	1.0%	13	357	336	706	\$30.00
29-1171	Nurse Practitioners	1,011	1,539	528	52.2%	53	27	40	120	\$49.01

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
29-1215	Family Medicine Physicians	343	341	-2	-0.6%	0	6	4	10	\$79.76
29-1216	General Internal Medicine Physicians	162	146	-16	-9.9%	-2	2	2	2	#
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	1,392	1,400	8	0.6%	1	22	16	39	\$37.45 ^^^
29-1248	Surgeons, Except Ophthalmologists	153	137	-16	-10.5%	-2	2	2	2	# ^^^
29-1292	Dental Hygienists	931	986	55	5.9%	6	34	24	64	\$30.20
29-2010	Clinical Laboratory Technologists and Technicians	1,457	1,435	-22	-1.5%	-2	37	54	89	\$28.52
29-2031	Cardiovascular Technologists and Technicians	277	279	2	0.7%	0	8	12	20	\$28.90
29-2032	Diagnostic Medical Sonographers	379	410	31	8.2%	3	11	17	31	\$30.00
29-2033	Nuclear Medicine Technologists	136	136	0	0.0%	0	4	6	10	\$36.08
29-2034	Radiologic Technologists	946	933	-13	-1.4%	-1	26	40	65	\$28.52
29-2035	Magnetic Resonance Imaging Technologists	169	161	-8	-4.7%	-1	4	7	10	\$34.97
29-2040	Emergency Medical Technicians and Paramedics	839	802	-37	-4.4%	-4	15	38	49	\$17.76 ^
29-2052	Pharmacy Technicians	2,050	2,061	11	0.5%	1	56	88	145	\$14.14
29-2055	Surgical Technologists	432	435	3	0.7%	0	12	19	31	\$22.45
29-2056	Veterinary Technologists and Technicians	264	228	-36	-13.6%	-4	7	11	14	\$17.48
29-2061	Licensed Practical and Licensed Vocational Nurses	4,008	4,109	101	2.5%	10	137	169	316	\$22.47
29-2081	Opticians, Dispensing	320	311	-9	-2.8%	-1	13	11	23	\$21.95
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	1,474	1,507	33	2.2%	3	41	64	108	\$22.55 ^^^
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, & Healthcare Practitioners, AO	228	231	3	1.3%	0	6	10	16	\$26.19 ^^^
31-0000	Healthcare Support Occupations	23,878	26,088	2,210	9.3%	221	1,441	1,556	3,218	\$14.03
31-1120	Home Health and Personal Care Aides	9,057	10,598	1,541	17.0%	154	629	556	1,339	\$11.49
31-1131	Nursing Assistants	6,813	6,738	-75	-1.1%	-8	434	384	810	\$14.08
31-1132	Orderlies	178	183	5	2.8%	0	12	10	22	\$14.28
31-2011	Occupational Therapy Assistants	404	516	112	27.7%	11	23	34	68	\$29.22
31-2021	Physical Therapist Assistants	900	1,092	192	21.3%	19	43	75	137	\$29.28
31-9011	Massage Therapists	330	373	43	13.0%	4	21	18	43	\$21.83
31-9091	Dental Assistants	868	918	50	5.8%	5	41	63	109	\$17.97
31-9092	Medical Assistants	3,400	3,777	377	11.1%	38	147	268	453	\$16.91
31-9093	Medical Equipment Preparers	283	285	2	0.7%	0	16	19	35	\$17.48
31-9094	Medical Transcriptionists	105	78	-27	-25.7%	-3	5	8	10	\$14.26
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	306	267	-39	-12.8%	-4	14	32	42	\$13.86
31-9097	Phlebotomists	860	894	34	4.0%	3	38	64	105	\$17.38
31-9099	Healthcare Support Workers, All Other	163	161	-2	-1.2%	0	9	11	20	\$14.42
33-0000	Protective Service Occupations	9,980	10,011	31	0.3%	3	456	621	1,080	\$22.75
33-1012	First-Line Supervisors of Police and Detectives	254	259	5	2.0%	0	6	10	16	\$37.56
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	261	268	7	2.7%	1	6	11	18	\$37.16
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	143	137	-6	-4.2%	-1	5	8	12	\$25.23 ^
33-2011	Firefighters	1,459	1,508	49	3.4%	5	33	77	115	\$22.40
33-3011	Bailiffs	155	151	-4	-2.6%	0	6	8	14	\$22.58

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
33-3012	Correctional Officers and Jailers	1,284	1,142	-142	-11.1%	-14	46	66	98	\$23.04
33-3021	Detectives and Criminal Investigators	255	261	6	2.4%	1	7	12	20	\$37.66
33-3051	Police and Sheriff's Patrol Officers	2,671	2,711	40	1.5%	4	67	137	208	\$29.17
33-9032	Security Guards	2,077	2,012	-65	-3.1%	-6	108	158	260	\$13.90
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	398	482	84	21.1%	8	61	49	118	\$10.52
33-9098	School Bus Monitors and Protective Service Workers, All Other	503	535	32	6.4%	3	72	58	133	\$15.11 ^^^
35-0000	Food Preparation and Serving Related Occupations	47,759	52,965	5,206	10.9%	521	3,899	5,145	9,565	\$10.76
35-1011	Chefs and Head Cooks	188	205	17	9.0%	2	6	19	27	\$22.42
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	4,331	4,933	602	13.9%	60	207	472	739	\$14.67
35-2011	Cooks, Fast Food	967	878	-89	-9.2%	-9	54	79	124	\$10.52
35-2012	Cooks, Institution and Cafeteria	2,612	2,667	55	2.1%	6	155	226	387	\$13.99
35-2014	Cooks, Restaurant	3,525	4,899	1,374	39.0%	137	248	360	745	\$13.63
35-2021	Food Preparation Workers	3,258	3,343	85	2.6%	8	259	304	571	\$11.45
35-3011	Bartenders	2,881	3,516	635	22.0%	64	145	388	597	\$10.13
35-3023	Fast Food and Counter Workers	18,750	20,076	1,326	7.1%	133	1,882	2,052	4,067	\$10.54
35-3031	Waiters and Waitresses	6,023	6,689	666	11.1%	67	467	759	1,293	\$9.77
35-3041	Food Servers, Nonrestaurant	1,434	1,407	-27	-1.9%	-3	112	111	220	\$11.65
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,228	1,482	254	20.7%	25	117	117	259	\$10.91
35-9021	Dishwashers	1,163	1,275	112	9.6%	11	92	102	205	\$10.55
37-0000	Building and Grounds Cleaning and Maintenance Occupations	17,236	17,291	55	0.3%	6	991	1,259	2,256	\$13.96
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	641	622	-19	-3.0%	-2	27	44	69	\$18.70
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	8,543	8,564	21	0.3%	2	534	600	1,136	\$13.91
37-2012	Maids and Housekeeping Cleaners	3,513	3,507	-6	-0.2%	-1	238	226	463	\$11.49
37-3011	Landscaping and Groundskeeping Workers	3,936	3,997	61	1.6%	6	171	340	517	\$14.32
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	152	153	1	0.7%	0	7	13	20	\$18.76
39-0000	Personal Care and Service Occupations	10,638	11,424	786	7.4%	79	695	863	1,637	\$11.27
39-2021	Nonfarm Animal Caretakers	879	1,104	225	25.6%	22	64	82	168	\$10.94
39-3031	Ushers, Lobby Attendants, and Ticket Takers	178	246	68	38.2%	7	27	22	56	\$10.53
39-3091	Amusement and Recreation Attendants	914	1,053	139	15.2%	14	96	110	220	\$10.07
39-4021	Funeral Attendants	349	347	-2	-0.6%	0	20	26	46	\$13.93
39-5012	Hairdressers, Hairstylists, and Cosmetologists	1,819	1,769	-50	-2.8%	-5	95	100	190	\$11.25
39-5094	Skincare Specialists	143	151	8	5.6%	1	8	8	17	\$17.48
39-7010	Tour and Travel Guides	102	126	24	23.5%	2	7	11	20	\$11.49
39-9011	Childcare Workers	2,677	2,677	0	0.0%	0	180	187	367	\$10.66
39-9031	Fitness Trainers and Aerobics Instructors	945	1,161	216	22.9%	22	62	100	184	\$13.97
39-9032	Recreation Workers	863	888	25	2.9%	2	51	83	136	\$13.30
41-0000	Sales and Related Occupations	46,339	44,278	-2,061	-4.5%	-206	2,377	3,603	5,774	\$13.79
41-1011	First-Line Supervisors of Retail Sales Workers	4,832	4,483	-349	-7.2%	-35	165	323	453	\$18.10
41-1012	First-Line Supervisors of Non-Retail Sales Workers	838	752	-86	-10.3%	-9	23	47	61	\$35.87
41-2011	Cashiers	11,906	10,449	-1,457	-12.2%	-146	951	1,070	1,875	\$10.84
41-2022	Parts Salespersons	1,228	1,283	55	4.5%	6	53	96	155	\$14.41

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
41-2031	Retail Salespersons	12,479	12,228	-251	-2.0%	-25	691	1,020	1,686	\$13.22
41-3011	Advertising Sales Agents	328	313	-15	-4.6%	-2	10	30	38	\$18.46
41-3021	Insurance Sales Agents	1,972	2,022	50	2.5%	5	66	112	183	\$23.11
41-3031	Securities, Commodities, and Financial Services Sales Agents	1,571	1,377	-194	-12.4%	-19	33	93	107	\$27.45
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	1,884	2,049	165	8.8%	16	49	173	238	\$23.75
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	411	427	16	3.9%	2	12	28	42	\$45.70
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	5,416	5,544	128	2.4%	13	162	370	545	\$28.63
41-9011	Demonstrators and Product Promoters	107	113	6	5.6%	1	12	7	20	\$14.58 †
41-9022	Real Estate Sales Agents	617	633	16	2.6%	2	26	28	56	\$18.08
43-0000	Office and Administrative Support Occupations	64,641	59,966	-4,675	-7.2%	-468	2,974	3,782	6,288	\$17.74
43-1011	First-Line Supervisors of Office and Administrative Support Workers	4,261	3,926	-335	-7.9%	-34	152	250	368	\$27.42
43-3011	Bill and Account Collectors	970	879	-91	-9.4%	-9	34	66	91	\$17.45
43-3021	Billing and Posting Clerks	1,893	1,897	4	0.2%	0	78	116	194	\$17.75
43-3031	Bookkeeping, Accounting, and Auditing Clerks	6,004	5,677	-327	-5.5%	-33	342	298	607	\$18.27
43-3051	Payroll and Timekeeping Clerks	336	286	-50	-14.9%	-5	15	17	27	\$21.92
43-3061	Procurement Clerks	272	258	-14	-5.2%	-1	7	17	23	\$18.27
43-3071	Tellers	2,288	1,533	-755	-33.0%	-76	78	120	122	\$14.26
43-4031	Court, Municipal, and License Clerks	1,116	1,165	49	4.4%	5	56	57	118	\$17.76
43-4051	Customer Service Representatives	6,973	6,507	-466	-6.7%	-47	317	530	800	\$17.40
43-4061	Eligibility Interviewers, Government Programs	341	347	6	1.8%	1	13	18	32	\$18.12
43-4071	File Clerks	272	228	-44	-16.2%	-4	14	15	25	\$17.58
43-4081	Hotel, Motel, and Resort Desk Clerks	444	507	63	14.2%	6	28	50	84	\$11.00
43-4111	Interviewers, Except Eligibility and Loan	853	658	-195	-22.9%	-20	44	49	73	\$17.28
43-4121	Library Assistants, Clerical	513	475	-38	-7.4%	-4	44	32	72	\$11.52
43-4131	Loan Interviewers and Clerks	592	500	-92	-15.5%	-9	16	32	39	\$17.99
43-4151	Order Clerks	510	414	-96	-18.8%	-10	20	29	39	\$17.74
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	376	351	-25	-6.7%	-2	14	22	34	\$18.30
43-4171	Receptionists and Information Clerks	2,888	2,806	-82	-2.8%	-8	159	197	348	\$13.82
43-4199	Information and Record Clerks, All Other	173	175	2	1.2%	0	7	12	19	\$17.28
43-5011	Cargo and Freight Agents	123	125	2	1.6%	0	5	7	12	\$20.55
43-5021	Couriers and Messengers	755	629	-126	-16.7%	-13	28	38	53	\$13.99
43-5031	Police, Fire, and Ambulance Dispatchers	487	492	5	1.0%	0	17	27	44	\$22.58
43-5032	Dispatchers, Except Police, Fire, and Ambulance	713	697	-16	-2.2%	-2	25	40	63	\$18.36
43-5051	Postal Service Clerks	316	287	-29	-9.2%	-3	14	11	22	\$24.64
43-5052	Postal Service Mail Carriers	1,441	1,308	-133	-9.2%	-13	48	49	84	\$25.21
43-5061	Production, Planning, and Expediting Clerks	2,227	2,329	102	4.6%	10	81	148	239	\$23.45
43-5071	Shipping, Receiving, and Traffic Clerks	3,455	3,247	-208	-6.0%	-21	122	197	298	\$17.60
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	191	202	11	5.8%	1	7	11	19	\$17.08

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
43-6011	Executive Secretaries and Executive Administrative Assistants	933	732	-201	-21.5%	-20	42	46	68	\$28.17
43-6012	Legal Secretaries	556	405	-151	-27.2%	-15	24	27	36	\$18.20
43-6013	Medical Secretaries	3,686	3,747	61	1.7%	6	189	208	403	\$16.82
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	5,535	4,871	-664	-12.0%	-66	265	290	489	\$17.58
43-9021	Data Entry Keyers	354	264	-90	-25.4%	-9	14	20	25	\$14.48
43-9041	Insurance Claims and Policy Processing Clerks	367	352	-15	-4.1%	-2	13	21	32	\$18.55
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	141	135	-6	-4.3%	-1	7	9	15	\$13.37
43-9061	Office Clerks, General	11,115	10,529	-586	-5.3%	-59	591	642	1,174	\$17.57
43-9199	Office and Administrative Support Workers, All Other	214	218	4	1.9%	0	9	15	24	\$17.62
45-0000	Farming, Fishing, and Forestry Occupations	2,529	2,623	94	3.7%	9	108	292	409	\$16.93
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	133	141	8	6.0%	1	5	14	20	\$28.41
45-2091	Agricultural Equipment Operators	303	330	27	8.9%	3	13	36	52	\$21.91
47-0000	Construction and Extraction Occupations	23,040	23,990	950	4.1%	95	693	1,611	2,399	\$23.40
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	1,642	1,718	76	4.6%	8	48	109	165	\$29.98
47-2021	Brickmasons and Blockmasons	369	350	-19	-5.2%	-2	11	22	31	\$28.89
47-2031	Carpenters	2,613	2,613	0	0.0%	0	76	163	239	\$23.55
47-2041	Carpet Installers	209	198	-11	-5.3%	-1	5	12	16	\$22.40
47-2051	Cement Masons and Concrete Finishers	579	561	-18	-3.1%	-2	14	38	50	\$23.80
47-2061	Construction Laborers	4,315	4,613	298	6.9%	30	132	302	464	\$22.02
47-2071	Paving, Surfacing, and Tamping Equipment Operators	245	250	5	2.0%	0	8	18	26	\$23.09
47-2073	Operating Engineers and Other Construction Equipment Operators	1,680	1,715	35	2.1%	4	56	122	182	\$27.02
47-2081	Drywall and Ceiling Tile Installers	111	115	4	3.6%	0	3	6	9	\$23.80
47-2111	Electricians	3,649	3,966	317	8.7%	32	110	280	422	\$29.50
47-2121	Glaziers	158	168	10	6.3%	1	4	13	18	\$22.47
47-2132	Insulation Workers, Mechanical	128	135	7	5.5%	1	3	9	13	\$28.55
47-2141	Painters, Construction and Maintenance	1,059	1,102	43	4.1%	4	33	60	97	\$22.03
47-2151	Pipelayers	220	216	-4	-1.8%	0	6	16	22	\$22.26
47-2152	Plumbers, Pipefitters, and Steamfitters	1,323	1,367	44	3.3%	4	39	97	140	\$29.63
47-2181	Roofers	580	613	33	5.7%	3	15	42	60	\$22.09
47-2211	Sheet Metal Workers	355	380	25	7.0%	2	10	24	36	\$23.09
47-2221	Structural Iron and Steel Workers	726	773	47	6.5%	5	19	57	81	\$29.09
47-4011	Construction and Building Inspectors	174	159	-15	-8.6%	-2	9	10	17	\$29.17
47-4031	Fence Erectors	123	117	-6	-4.9%	-1	3	9	11	\$17.64
47-4041	Hazardous Materials Removal Workers	192	198	6	3.1%	1	7	16	24	\$22.08
47-4051	Highway Maintenance Workers	799	810	11	1.4%	1	32	50	83	\$18.36
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	156	166	10	6.4%	1	5	13	19	\$22.58
49-0000	Installation, Maintenance, and Repair Occupations	26,189	27,904	1,715	6.6%	172	856	1,691	2,719	\$22.81
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	1,934	2,030	96	5.0%	10	58	118	186	\$35.10
49-2011	Computer, Automated Teller, and Office Machine Repairers	220	204	-16	-7.3%	-2	6	16	20	\$18.21
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	516	537	21	4.1%	2	18	40	60	\$29.20
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	145	163	18	12.4%	2	4	8	14	\$31.77

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
49-2098	Security and Fire Alarm Systems Installers	214	210	-4	-1.9%	0	5	16	21	\$22.65
49-3011	Aircraft Mechanics and Service Technicians	171	181	10	5.9%	1	5	9	15	\$28.20
49-3021	Automotive Body and Related Repairers	1,032	1,065	33	3.2%	3	33	62	98	\$22.42
49-3023	Automotive Service Technicians and Mechanics	3,221	3,208	-13	-0.4%	-1	96	218	313	\$18.18
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,056	1,096	40	3.8%	4	30	67	101	\$22.58
49-3041	Farm Equipment Mechanics and Service Technicians	217	234	17	7.8%	2	7	15	24	\$18.10
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	498	543	45	9.0%	4	16	35	55	\$25.00
49-3093	Tire Repairers and Changers	259	264	5	1.9%	0	8	22	30	\$14.29
49-9011	Mechanical Door Repairers	105	115	10	9.5%	1	2	6	9	\$21.63
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	141	137	-4	-2.8%	0	3	8	11	\$29.42
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,217	1,258	41	3.4%	4	32	84	120	\$22.93
49-9041	Industrial Machinery Mechanics	2,610	3,345	735	28.2%	74	92	161	327	\$28.90
49-9043	Maintenance Workers, Machinery	371	430	59	15.9%	6	13	22	41	\$28.55
49-9044	Millwrights	681	783	102	15.0%	10	21	42	73	\$37.22
49-9051	Electrical Power-Line Installers and Repairers	464	490	26	5.6%	3	9	32	44	\$37.42
49-9071	Maintenance and Repair Workers, General	6,935	7,208	273	3.9%	27	249	413	689	\$22.40
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	165	170	5	3.0%	0	7	12	19	\$17.71
49-9098	Helpers--Installation, Maintenance, and Repair Workers	192	200	8	4.2%	1	8	16	25	\$17.41
49-9099	Installation, Maintenance, and Repair Workers, All Other	1,476	1,701	225	15.2%	22	56	106	184	\$17.96
51-0000	Production Occupations	76,175	75,878	-297	-0.4%	-30	2,751	5,392	8,113	\$18.13
51-1011	First-Line Supervisors of Production and Operating Workers	4,402	4,570	168	3.8%	17	135	302	454	\$29.35
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	1,202	1,356	154	12.8%	15	51	82	148	\$17.48
51-2041	Structural Metal Fabricators and Fitters	359	322	-37	-10.3%	-4	8	27	31	\$21.18
51-2090	Miscellaneous Assemblers and Fabricators	19,576	19,482	-94	-0.5%	-9	745	1,394	2,130	\$18.13
51-3011	Bakers	505	524	19	3.8%	2	29	38	69	\$14.14
51-3021	Butchers and Meat Cutters	270	242	-28	-10.4%	-3	10	19	26	\$14.16
51-3092	Food Batchmakers	1,790	1,768	-22	-1.2%	-2	83	133	214	\$22.10
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	783	726	-57	-7.3%	-6	26	47	67	\$18.05
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	2,665	2,608	-57	-2.1%	-6	84	181	259	\$18.09
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	622	586	-36	-5.8%	-4	27	42	65	\$17.48
51-4041	Machinists	3,027	3,253	226	7.5%	23	105	214	342	\$19.28
51-4071	Foundry Mold and Coremakers	861	836	-25	-2.9%	-2	28	57	83	\$18.03
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	2,781	2,573	-208	-7.5%	-21	87	181	247	\$17.45
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	2,910	3,289	379	13.0%	38	101	210	349	\$22.59
51-4111	Tool and Die Makers	1,143	1,159	16	1.4%	2	42	72	116	\$27.27
51-4121	Welders, Cutters, Solderers, and Brazers	3,078	3,308	230	7.5%	23	84	252	359	\$18.60

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	182	182	0	0.0%	0	5	14	19	\$17.92
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	135	130	-5	-3.7%	0	4	9	13	\$18.35
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	450	401	-49	-10.9%	-5	14	29	38	\$17.90
51-5111	Prepress Technicians and Workers	101	83	-18	-17.8%	-2	4	9	11	\$18.09
51-5112	Printing Press Operators	635	573	-62	-9.8%	-6	22	42	58	\$17.78
51-5113	Print Binding and Finishing Workers	150	110	-40	-26.7%	-4	6	8	10	\$14.56
51-6011	Laundry and Dry-Cleaning Workers	840	913	73	8.7%	7	57	59	123	\$11.29
51-6031	Sewing Machine Operators	322	311	-11	-3.4%	-1	19	17	35	\$14.14
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	103	112	9	8.7%	1	4	8	13	\$14.43
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	337	366	29	8.6%	3	10	25	38	\$17.42
51-8031	Water and Wastewater Treatment Plant and System Operators	602	560	-42	-7.0%	-4	16	36	48	\$22.99
51-9011	Chemical Equipment Operators and Tenders	400	369	-31	-7.8%	-3	8	30	35	\$23.13
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	958	969	11	1.2%	1	32	72	105	\$18.09
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	285	280	-5	-1.8%	0	13	21	34	\$18.09
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	1,065	1,029	-36	-3.4%	-4	29	77	102	\$17.79
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	323	330	7	2.2%	1	11	20	32	\$22.95
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	4,736	4,111	-625	-13.2%	-62	170	351	459	\$18.27
51-9111	Packaging and Filling Machine Operators and Tenders	2,360	2,413	53	2.3%	5	98	158	261	\$18.13
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	979	1,009	30	3.1%	3	28	71	102	\$18.09
51-9161	Computer Numerically Controlled Tool Operators	1,918	1,884	-34	-1.8%	-3	65	140	202	\$18.45
51-9162	Computer Numerically Controlled Tool Programmers	158	200	42	26.6%	4	6	13	23	\$23.98
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	131	142	11	8.4%	1	5	10	16	\$14.76
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	1,133	1,135	2	0.2%	0	41	74	115	\$18.45
51-9196	Paper Goods Machine Setters, Operators, and Tenders	833	885	52	6.2%	5	39	57	101	\$18.29
51-9198	Helpers--Production Workers	1,126	1,019	-107	-9.5%	-11	50	101	140	\$17.85
51-9199	Production Workers, All Other	1,479	1,518	39	2.6%	4	51	111	166	\$14.37
53-0000	Transportation and Material Moving Occupations	58,628	61,869	3,241	5.5%	324	2,722	4,801	7,847	\$17.59
53-3031	Driver/Sales Workers	3,021	3,394	373	12.4%	37	131	218	386	\$11.07
53-3032	Heavy and Tractor-Trailer Truck Drivers	10,563	10,522	-41	-0.4%	-4	432	715	1,143	\$23.12
53-3033	Light Truck or Delivery Services Drivers	3,722	4,020	298	8.0%	30	158	262	450	\$18.19
53-3052	Bus Drivers, Transit and Intercity	117	156	39	33.3%	4	9	7	20	\$18.23
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	1,807	2,198	391	21.6%	39	132	100	271	\$18.05 ^^^
53-6021	Parking Lot Attendants	406	447	41	10.1%	4	21	44	69	\$11.62
53-6031	Automotive and Watercraft Service Attendants	590	571	-19	-3.2%	-2	27	52	77	\$13.63
53-7011	Conveyor Operators and Tenders	252	264	12	4.8%	1	8	22	31	\$23.63
53-7021	Crane and Tower Operators	155	161	6	3.9%	1	4	12	17	\$22.62
53-7051	Industrial Truck and Tractor Operators	5,506	5,849	343	6.2%	34	171	436	641	\$18.31
53-7061	Cleaners of Vehicles and Equipment	1,991	2,071	80	4.0%	8	99	181	288	\$13.81
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	12,040	13,071	1,031	8.6%	103	549	1,092	1,744	\$14.82
53-7063	Machine Feeders and Offbearers	127	137	10	7.9%	1	8	10	19	\$17.48

JobsOhio Regional Network - Northwest Region

Occupational* Employment Projections Report, 2020-2030

SOC Code	Occupational Title	Employment*		Change in Employment		Annual Openings				Median Wage May 2021
		2020 Annual	2030 Projected	2020-2030	Percent	Growth	Exits	Transfers	Total	
53-7064	Packers and Packagers, Hand	3,595	3,729	134	3.7%	13	209	296	518	\$14.42
53-7065	Stockers and Order Fillers	10,466	10,798	332	3.2%	33	605	1,037	1,675	\$14.42
53-7081	Refuse and Recyclable Material Collectors	464	532	68	14.7%	7	21	45	73	\$18.01
53-7121	Tank Car, Truck, and Ship Loaders	324	328	4	1.2%	0	10	28	38	\$18.77

* Occupations with 100 or more workers.

** Certain occupations only report wages at the annual level.

^ National hourly wage.

^^ National annual wage.

^^^ National aggregate wage.

Wage above max.

▲ Wage not available due to OES/SOC changes.

† Statewide hourly wage.

†† Statewide annual wage.

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, June 2023.

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
00-0000	Total, All Occupations				\$18.24
11-0000	Management Occupations				\$45.52
11-1011	Chief Executives	Bachelor's degree	5 years or more	None	\$78.00
11-1021	General and Operations Managers	Bachelor's degree	5 years or more	None	\$38.04
11-1031	Legislators	Bachelor's degree	Less than 5 years	None	\$36,749 **
11-2021	Marketing Managers	Bachelor's degree	5 years or more	None	\$60.82
11-2022	Sales Managers	Bachelor's degree	Less than 5 years	None	\$58.61
11-2030	Public Relations and Fundraising Managers	Bachelor's degree	5 years or more	None	\$57.62 ^
11-3010	Administrative Services and Facilities Managers	Bachelor's degree	Less than 5 years	None	\$47.73 ^
11-3021	Computer and Information Systems Managers	Bachelor's degree	5 years or more	None	\$59.43
11-3031	Financial Managers	Bachelor's degree	5 years or more	None	\$57.70
11-3051	Industrial Production Managers	Bachelor's degree	5 years or more	None	\$47.78
11-3061	Purchasing Managers	Bachelor's degree	5 years or more	None	\$57.73
11-3071	Transportation, Storage, and Distribution Managers	High school diploma or equivalent	5 years or more	None	\$44.96
11-3121	Human Resources Managers	Bachelor's degree	5 years or more	None	\$55.85
11-9013	Farmers, Ranchers, and Other Agricultural Managers	High school diploma or equivalent	5 years or more	None	\$35.12 ^
11-9021	Construction Managers	Bachelor's degree	None	Moderate-term on-the-job training	\$46.20
11-9031	Education Administrators, Preschool and Childcare Center/Program	Bachelor's degree	Less than 5 years	None	\$22.10
11-9032	Education Administrators, Elementary and Secondary School	Master's degree	5 years or more	None	\$94,122 **
11-9033	Education Administrators, Postsecondary	Master's degree	Less than 5 years	None	\$46.39
11-9041	Architectural and Engineering Managers	Bachelor's degree	5 years or more	None	\$60.70
11-9051	Food Service Managers	High school diploma or equivalent	Less than 5 years	None	\$23.25
11-9111	Medical and Health Services Managers	Bachelor's degree	Less than 5 years	None	\$45.44
11-9141	Property, Real Estate, and Community Association Managers	High school diploma or equivalent	Less than 5 years	None	\$22.62
11-9151	Social and Community Service Managers	Bachelor's degree	Less than 5 years	None	\$29.36
11-9198	Personal Service Managers; Entertainment & Recreation Managers, Except Gambling; and Managers, All Other	Bachelor's degree	Less than 5 years	None	\$59.93 ^^^
13-0000	Business and Financial Operations Occupations				\$29.49
13-1020	Buyers and Purchasing Agents	Bachelor's degree	None	Moderate-term on-the-job training	\$29.12
13-1031	Claims Adjusters, Examiners, and Investigators	High school diploma or equivalent	None	Long-term on-the-job training	\$29.96
13-1041	Compliance Officers	Bachelor's degree	None	Moderate-term on-the-job training	\$28.90
13-1051	Cost Estimators	Bachelor's degree	None	Moderate-term on-the-job training	\$29.92
13-1071	Human Resources Specialists	Bachelor's degree	None	None	\$28.20
13-1075	Labor Relations Specialists	Bachelor's degree	Less than 5 years	None	\$30.32
13-1081	Logisticians	Bachelor's degree	None	None	\$36.00
13-1111	Management Analysts	Bachelor's degree	Less than 5 years	None	\$36.87
13-1121	Meeting, Convention, and Event Planners	Bachelor's degree	None	None	\$22.97
13-1131	Fundraisers	Bachelor's degree	None	None	\$23.76
13-1151	Training and Development Specialists	Bachelor's degree	Less than 5 years	None	\$22.95
13-1161	Market Research Analysts and Marketing Specialists	Bachelor's degree	None	None	\$28.63
13-1198	Project Management Specialists and Business Operations Specialists, All Other	Bachelor's degree	None	None	\$35.90 ^^^
13-2011	Accountants and Auditors	Bachelor's degree	None	None	\$30.17
13-2041	Credit Analysts	Bachelor's degree	None	None	\$29.56

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
13-2052	Personal Financial Advisors	Bachelor's degree	None	Long-term on-the-job training	\$37.71
13-2053	Insurance Underwriters	Bachelor's degree	None	Moderate-term on-the-job training	\$36.94
13-2072	Loan Officers	Bachelor's degree	Less than 5 years	Moderate-term on-the-job training	\$29.36
13-2082	Tax Preparers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$14.57
13-2098	Financial and Investment Analysts, Financial Risk Specialists, and Financial Specialists, All Other	Bachelor's degree	None	None	\$35.21 ^^^
15-0000	Computer and Mathematical Occupations				\$30.27
15-1211	Computer Systems Analysts	Bachelor's degree	None	None	\$37.26
15-1231	Computer Network Support Specialists	Associate's degree	None	None	\$22.76
15-1232	Computer User Support Specialists	Some college, no degree	None	None	\$22.44
15-1241	Computer Network Architects	Bachelor's degree	5 years or more	None	\$47.15
15-1244	Network and Computer Systems Administrators	Bachelor's degree	None	None	\$36.78
15-1245	Database Administrators and Architects	Bachelor's degree	None	None	\$47.44 ^^^
15-1251	Computer Programmers	Bachelor's degree	None	None	\$36.96
15-1256	Software Developers and Software Quality Assurance Analysts and Testers	Bachelor's degree	None	None	\$49.49 ^^^
15-1257	Web Developers and Digital Interface Designers	Bachelor's degree	None	None	\$49.49 ^^^
15-1299	Computer Occupations, All Other	Bachelor's degree	None	None	\$36.05
15-2031	Operations Research Analysts	Bachelor's degree	None	None	\$38.19
17-0000	Architecture and Engineering Occupations				\$36.85
17-1011	Architects, Except Landscape and Naval	Bachelor's degree	None	Internship/residency	\$37.03
17-1022	Surveyors	Bachelor's degree	None	Internship/residency	\$28.95
17-2051	Civil Engineers	Bachelor's degree	None	None	\$37.53
17-2071	Electrical Engineers	Bachelor's degree	None	None	\$44.69
17-2081	Environmental Engineers	Bachelor's degree	None	None	\$47.62
17-2112	Industrial Engineers	Bachelor's degree	None	None	\$37.91
17-2131	Materials Engineers	Bachelor's degree	None	None	\$38.42
17-2141	Mechanical Engineers	Bachelor's degree	None	None	\$36.74
17-2199	Engineers, All Other	Bachelor's degree	None	None	\$37.39
17-3011	Architectural and Civil Drafters	Associate's degree	None	None	\$27.18
17-3013	Mechanical Drafters	Associate's degree	None	None	\$27.36
17-3022	Civil Engineering Technicians	Associate's degree	None	None	\$28.64
17-3023	Electrical and Electronics Engineering Technicians	Associate's degree	None	None	\$29.78
17-3026	Industrial Engineering Technicians	Associate's degree	None	None	\$28.64
17-3027	Mechanical Engineering Technicians	Associate's degree	None	None	\$28.30
17-3031	Surveying and Mapping Technicians	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.20
19-0000	Life, Physical, and Social Science Occupations				\$30.03
19-1031	Conservation Scientists	Bachelor's degree	None	None	\$26.54
19-2031	Chemists	Bachelor's degree	None	None	\$30.97
19-2041	Environmental Scientists and Specialists, Including Health	Bachelor's degree	None	None	\$35.69
19-3031	Clinical, Counseling, and School Psychologists	Doctoral or professional degree	None	Internship/residency	\$38.96 ^^^
19-4031	Chemical Technicians	Associate's degree	None	Moderate-term on-the-job training	\$23.43
19-4042	Environmental Science and Protection Technicians, Including Health	Associate's degree	None	None	\$21.74
19-5011	Occupational Health and Safety Specialists	Bachelor's degree	None	None	\$37.03

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
19-5012	Occupational Health and Safety Technicians	High school diploma or equivalent	None	Moderate-term on-the-job training	\$28.31
21-0000	Community and Social Service Occupations				\$22.58
21-1012	Educational, Guidance, School, and Vocational Counselors	Master's degree	None	None	\$28.45
21-1015	Rehabilitation Counselors	Master's degree	None	None	\$17.48
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	Bachelor's degree	None	None	\$22.62
21-1021	Child, Family, and School Social Workers	Bachelor's degree	None	None	\$22.62
21-1022	Healthcare Social Workers	Master's degree	None	Internship/residency	\$24.41
21-1023	Mental Health and Substance Abuse Social Workers	Master's degree	None	Internship/residency	\$22.50
21-1029	Social Workers, All Other	Bachelor's degree	None	None	\$22.78
21-1091	Health Educators	Bachelor's degree	None	None	\$25.08
21-1092	Probation Officers and Correctional Treatment Specialists	Bachelor's degree	None	Short-term on-the-job training	\$28.54
21-1093	Social and Human Service Assistants	High school diploma or equivalent	None	Short-term on-the-job training	\$17.24
21-1094	Community Health Workers	High school diploma or equivalent	None	Short-term on-the-job training	\$18.16
21-1099	Community and Social Service Specialists, All Other	Bachelor's degree	None	None	\$18.64
21-2011	Clergy	Bachelor's degree	None	Moderate-term on-the-job training	\$21.75
23-0000	Legal Occupations				\$30.29
23-1011	Lawyers	Doctoral or professional degree	None	None	\$45.87
23-1023	Judges, Magistrate Judges, and Magistrates	Doctoral or professional degree	5 years or more	Short-term on-the-job training	\$60.41
23-2011	Paralegals and Legal Assistants	Associate's degree	None	None	\$17.73
25-0000	Education, Training, and Library Occupations				\$28.36
25-1011	Business Teachers, Postsecondary	Doctoral or professional degree	None	None	\$75,182 **
25-1021	Computer Science Teachers, Postsecondary	Doctoral or professional degree	None	None	\$81,983 **
25-1022	Mathematical Science Teachers, Postsecondary	Doctoral or professional degree	None	None	\$63,904 **
25-1032	Engineering Teachers, Postsecondary	Doctoral or professional degree	None	None	\$99,215 **
25-1066	Psychology Teachers, Postsecondary	Doctoral or professional degree	None	None	\$81,983 **
25-1071	Health Specialties Teachers, Postsecondary	Doctoral or professional degree	Less than 5 years	None	\$82,327 **
25-1072	Nursing Instructors and Teachers, Postsecondary	Doctoral or professional degree	Less than 5 years	None	\$74,277 **
25-1121	Art, Drama, and Music Teachers, Postsecondary	Master's degree	None	None	\$63,904 **
25-1122	Communications Teachers, Postsecondary	Doctoral or professional degree	None	None	\$77,026 **
25-1123	English Language and Literature Teachers, Postsecondary	Doctoral or professional degree	None	None	\$63,904 **
25-1194	Vocational Education Teachers, Postsecondary	Bachelor's degree	Less than 5 years	None	\$23.97
25-1199	Postsecondary Teachers, All Other	Doctoral or professional degree	None	None	\$60,902 **
25-2011	Preschool Teachers, Except Special Education	Associate's degree	None	None	\$13.77
25-2012	Kindergarten Teachers, Except Special Education	Bachelor's degree	None	None	\$58,928 **
25-2021	Elementary School Teachers, Except Special Education	Bachelor's degree	None	None	\$61,199 **
25-2022	Middle School Teachers, Except Special and Career/Technical Education	Bachelor's degree	None	None	\$60,941 **
25-2031	Secondary School Teachers, Except Special and Career/Technical Education	Bachelor's degree	None	None	\$62,834 **
25-2032	Career/Technical Education Teachers, Secondary School	Bachelor's degree	Less than 5 years	None	\$75,840 **
25-2052	Special Education Teachers, Kindergarten and Elementary School	Bachelor's degree	None	None	\$60,533 **
25-2057	Special Education Teachers, Middle School	Bachelor's degree	None	None	\$49,380 **
25-2058	Special Education Teachers, Secondary School	Bachelor's degree	None	None	\$49,516 **
25-3031	Substitute Teachers, Short-Term	Bachelor's degree	None	None	\$13.88
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	Bachelor's degree	None	None	\$17.94 ^^^

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
25-4022	Librarians and Media Collections Specialists	Master's degree	None	None	\$22.84
25-4031	Library Technicians	Postsecondary non-degree award	None	None	\$13.90
25-9031	Instructional Coordinators	Master's degree	5 years or more	None	\$28.92
25-9044	Teaching Assistants, Postsecondary	Bachelor's degree	None	None	\$19,214 **
25-9045	Teaching Assistants, Except Postsecondary	Some college, no degree	None	None	\$27,854 **
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations				\$18.41
27-1011	Art Directors	Bachelor's degree	5 years or more	None	\$38.72
27-1021	Commercial and Industrial Designers	Bachelor's degree	None	None	\$29.84
27-1023	Floral Designers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$13.69
27-1024	Graphic Designers	Bachelor's degree	None	None	\$22.62
27-1025	Interior Designers	Bachelor's degree	None	None	\$21.87
27-1026	Merchandise Displayers and Window Trimmers	High school diploma or equivalent	None	Short-term on-the-job training	\$13.99
27-2012	Producers and Directors	Bachelor's degree	Less than 5 years	None	\$23.71
27-2022	Coaches and Scouts	Bachelor's degree	None	None	\$28,119 **
27-2041	Music Directors and Composers	Bachelor's degree	Less than 5 years	None	\$19.36
27-3011	Radio and Television Announcers	Bachelor's degree	None	None	\$11.15
27-3023	News Analysts, Reporters, and Journalists	Bachelor's degree	None	None	\$18.40
27-3031	Public Relations Specialists	Bachelor's degree	None	None	\$23.67
27-3041	Editors	Bachelor's degree	Less than 5 years	None	\$23.34
27-3043	Writers and Authors	Bachelor's degree	None	Long-term on-the-job training	\$21.57
27-4012	Broadcast Technicians	Associate's degree	None	Short-term on-the-job training	\$17.99
27-4021	Photographers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$15.13
29-0000	Healthcare Practitioners and Technical Occupations				\$29.27
29-1011	Chiropractors	Doctoral or professional degree	None	None	\$29.38
29-1031	Dietitians and Nutritionists	Bachelor's degree	None	Internship/residency	\$28.87
29-1041	Optometrists	Doctoral or professional degree	None	None	\$49.29
29-1051	Pharmacists	Doctoral or professional degree	None	None	\$60.92
29-1071	Physician Assistants	Master's degree	None	None	\$58.21
29-1122	Occupational Therapists	Master's degree	None	None	\$37.61
29-1123	Physical Therapists	Doctoral or professional degree	None	None	\$45.97
29-1126	Respiratory Therapists	Associate's degree	None	None	\$28.52
29-1127	Speech-Language Pathologists	Master's degree	None	Internship/residency	\$36.29
29-1131	Veterinarians	Doctoral or professional degree	None	None	\$46.68
29-1141	Registered Nurses	Bachelor's degree	None	None	\$30.00
29-1171	Nurse Practitioners	Master's degree	None	None	\$49.01
29-1215	Family Medicine Physicians	Doctoral or professional degree	None	Internship/residency	\$79.76
29-1216	General Internal Medicine Physicians	Doctoral or professional degree	None	Internship/residency	#
29-1228	Physicians, All Other; and Ophthalmologists, Except Pediatric	Doctoral or professional degree	None	Internship/residency	\$37.45 ^^^
29-1248	Surgeons, Except Ophthalmologists	Doctoral or professional degree	None	Internship/residency	# ^^^
29-1292	Dental Hygienists	Associate's degree	None	None	\$30.20
29-2010	Clinical Laboratory Technologists and Technicians	Bachelor's degree	None	None	\$28.52
29-2031	Cardiovascular Technologists and Technicians	Associate's degree	None	None	\$28.90
29-2032	Diagnostic Medical Sonographers	Associate's degree	None	None	\$30.00

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
29-2033	Nuclear Medicine Technologists	Associate's degree	None	None	\$36.08
29-2034	Radiologic Technologists	Associate's degree	None	None	\$28.52
29-2035	Magnetic Resonance Imaging Technologists	Associate's degree	Less than 5 years	None	\$34.97
29-2040	Emergency Medical Technicians and Paramedics	Postsecondary non-degree award	None	None	\$17.76 ^
29-2052	Pharmacy Technicians	High school diploma or equivalent	None	Moderate-term on-the-job training	\$14.14
29-2055	Surgical Technologists	Postsecondary non-degree award	None	None	\$22.45
29-2056	Veterinary Technologists and Technicians	Associate's degree	None	None	\$17.48
29-2061	Licensed Practical and Licensed Vocational Nurses	Postsecondary non-degree award	None	None	\$22.47
29-2081	Opticians, Dispensing	High school diploma or equivalent	None	Long-term on-the-job training	\$21.95
29-2098	Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other	Postsecondary non-degree award	None	None	\$22.55 ^^^
29-9098	Health Information Technologists, Medical Registrars, Surgical Assistants, & Healthcare Practitioners, AO	Postsecondary non-degree award	None	None	\$26.19 ^^^
31-0000	Healthcare Support Occupations				\$14.03
31-1120	Home Health and Personal Care Aides	High school diploma or equivalent	None	Short-term on-the-job training	\$11.49
31-1131	Nursing Assistants	Postsecondary non-degree award	None	None	\$14.08
31-1132	Orderlies	High school diploma or equivalent	None	Short-term on-the-job training	\$14.28
31-2011	Occupational Therapy Assistants	Associate's degree	None	None	\$29.22
31-2021	Physical Therapist Assistants	Associate's degree	None	None	\$29.28
31-9011	Massage Therapists	Postsecondary non-degree award	None	None	\$21.83
31-9091	Dental Assistants	Postsecondary non-degree award	None	None	\$17.97
31-9092	Medical Assistants	Postsecondary non-degree award	None	None	\$16.91
31-9093	Medical Equipment Preparers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.48
31-9094	Medical Transcriptionists	Postsecondary non-degree award	None	None	\$14.26
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	High school diploma or equivalent	None	Short-term on-the-job training	\$13.86
31-9097	Phlebotomists	Postsecondary non-degree award	None	None	\$17.38
31-9099	Healthcare Support Workers, All Other	High school diploma or equivalent	None	None	\$14.42
33-0000	Protective Service Occupations				\$22.75
33-1012	First-Line Supervisors of Police and Detectives	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$37.56
33-1021	First-Line Supervisors of Fire Fighting and Prevention Workers	Postsecondary non-degree award	Less than 5 years	Moderate-term on-the-job training	\$37.16
33-1090	Miscellaneous First-Line Supervisors, Protective Service Workers	High school diploma or equivalent	Less than 5 years	None	\$25.23 ^
33-2011	Firefighters	Postsecondary non-degree award	None	Long-term on-the-job training	\$22.40
33-3011	Bailiffs	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.58
33-3012	Correctional Officers and Jailers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$23.04
33-3021	Detectives and Criminal Investigators	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$37.66
33-3051	Police and Sheriff's Patrol Officers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$29.17
33-9032	Security Guards	High school diploma or equivalent	None	Short-term on-the-job training	\$13.90
33-9092	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers	No formal educational credential	None	Short-term on-the-job training	\$10.52
33-9098	School Bus Monitors and Protective Service Workers, All Other	High school diploma or equivalent	None	Short-term on-the-job training	\$15.11 ^^^
35-0000	Food Preparation and Serving Related Occupations				\$10.76
35-1011	Chefs and Head Cooks	High school diploma or equivalent	5 years or more	None	\$22.42
35-1012	First-Line Supervisors of Food Preparation and Serving Workers	High school diploma or equivalent	Less than 5 years	None	\$14.67
35-2011	Cooks, Fast Food	No formal educational credential	None	Short-term on-the-job training	\$10.52

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
35-2012	Cooks, Institution and Cafeteria	No formal educational credential	None	Short-term on-the-job training	\$13.99
35-2014	Cooks, Restaurant	No formal educational credential	Less than 5 years	Moderate-term on-the-job training	\$13.63
35-2021	Food Preparation Workers	No formal educational credential	None	Short-term on-the-job training	\$11.45
35-3011	Bartenders	No formal educational credential	None	Short-term on-the-job training	\$10.13
35-3023	Fast Food and Counter Workers	No formal educational credential	None	Short-term on-the-job training	\$10.54
35-3031	Waiters and Waitresses	No formal educational credential	None	Short-term on-the-job training	\$9.77
35-3041	Food Servers, Nonrestaurant	No formal educational credential	None	Short-term on-the-job training	\$11.65
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	No formal educational credential	None	Short-term on-the-job training	\$10.91
35-9021	Dishwashers	No formal educational credential	None	Short-term on-the-job training	\$10.55
37-0000	Building and Grounds Cleaning and Maintenance Occupations				\$13.96
37-1011	First-Line Supervisors of Housekeeping and Janitorial Workers	High school diploma or equivalent	Less than 5 years	None	\$18.70
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	No formal educational credential	None	Short-term on-the-job training	\$13.91
37-2012	Maids and Housekeeping Cleaners	No formal educational credential	None	Short-term on-the-job training	\$11.49
37-3011	Landscaping and Groundskeeping Workers	No formal educational credential	None	Short-term on-the-job training	\$14.32
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.76
39-0000	Personal Care and Service Occupations				\$11.27
39-2021	Nonfarm Animal Caretakers	High school diploma or equivalent	None	Short-term on-the-job training	\$10.94
39-3031	Ushers, Lobby Attendants, and Ticket Takers	No formal educational credential	None	Short-term on-the-job training	\$10.53
39-3091	Amusement and Recreation Attendants	No formal educational credential	None	Short-term on-the-job training	\$10.07
39-4021	Funeral Attendants	High school diploma or equivalent	None	Short-term on-the-job training	\$13.93
39-5012	Hairdressers, Hairstylists, and Cosmetologists	Postsecondary non-degree award	None	None	\$11.25
39-5094	Skincare Specialists	Postsecondary non-degree award	None	None	\$17.48
39-7010	Tour and Travel Guides	High school diploma or equivalent	None	Moderate-term on-the-job training	\$11.49
39-9011	Childcare Workers	High school diploma or equivalent	None	Short-term on-the-job training	\$10.66
39-9031	Fitness Trainers and Aerobics Instructors	High school diploma or equivalent	None	Short-term on-the-job training	\$13.97
39-9032	Recreation Workers	High school diploma or equivalent	None	Short-term on-the-job training	\$13.30
41-0000	Sales and Related Occupations				\$13.79
41-1011	First-Line Supervisors of Retail Sales Workers	High school diploma or equivalent	Less than 5 years	None	\$18.10
41-1012	First-Line Supervisors of Non-Retail Sales Workers	High school diploma or equivalent	Less than 5 years	None	\$35.87
41-2011	Cashiers	No formal educational credential	None	Short-term on-the-job training	\$10.84
41-2022	Parts Salespersons	No formal educational credential	None	Moderate-term on-the-job training	\$14.41
41-2031	Retail Salespersons	No formal educational credential	None	Short-term on-the-job training	\$13.22
41-3011	Advertising Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.46
41-3021	Insurance Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training	\$23.11
41-3031	Securities, Commodities, and Financial Services Sales Agents	Bachelor's degree	None	Moderate-term on-the-job training	\$27.45
41-3091	Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	High school diploma or equivalent	None	Moderate-term on-the-job training	\$23.75
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	Bachelor's degree	None	Moderate-term on-the-job training	\$45.70
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	High school diploma or equivalent	None	Moderate-term on-the-job training	\$28.63
41-9011	Demonstrators and Product Promoters	No formal educational credential	None	Short-term on-the-job training	\$14.58 †
41-9022	Real Estate Sales Agents	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.08

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
43-0000	Office and Administrative Support Occupations				\$17.74
43-1011	First-Line Supervisors of Office and Administrative Support Workers	High school diploma or equivalent	Less than 5 years	None	\$27.42
43-3011	Bill and Account Collectors	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.45
43-3021	Billing and Posting Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.75
43-3031	Bookkeeping, Accounting, and Auditing Clerks	Some college, no degree	None	Moderate-term on-the-job training	\$18.27
43-3051	Payroll and Timekeeping Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training	\$21.92
43-3061	Procurement Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.27
43-3071	Tellers	High school diploma or equivalent	None	Short-term on-the-job training	\$14.26
43-4031	Court, Municipal, and License Clerks	High school diploma or equivalent	None	Long-term on-the-job training	\$17.76
43-4051	Customer Service Representatives	High school diploma or equivalent	None	Short-term on-the-job training	\$17.40
43-4061	Eligibility Interviewers, Government Programs	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.12
43-4071	File Clerks	High school diploma or equivalent	None	Short-term on-the-job training	\$17.58
43-4081	Hotel, Motel, and Resort Desk Clerks	High school diploma or equivalent	None	Short-term on-the-job training	\$11.00
43-4111	Interviewers, Except Eligibility and Loan	High school diploma or equivalent	None	Short-term on-the-job training	\$17.28
43-4121	Library Assistants, Clerical	High school diploma or equivalent	None	Short-term on-the-job training	\$11.52
43-4131	Loan Interviewers and Clerks	High school diploma or equivalent	None	Short-term on-the-job training	\$17.99
43-4151	Order Clerks	Some college, no degree	None	Short-term on-the-job training	\$17.74
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	Associate's degree	None	None	\$18.30
43-4171	Receptionists and Information Clerks	High school diploma or equivalent	None	Short-term on-the-job training	\$13.82
43-4199	Information and Record Clerks, All Other	High school diploma or equivalent	None	Short-term on-the-job training	\$17.28
43-5011	Cargo and Freight Agents	High school diploma or equivalent	None	Short-term on-the-job training	\$20.55
43-5021	Couriers and Messengers	High school diploma or equivalent	None	Short-term on-the-job training	\$13.99
43-5031	Police, Fire, and Ambulance Dispatchers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.58
43-5032	Dispatchers, Except Police, Fire, and Ambulance	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.36
43-5051	Postal Service Clerks	High school diploma or equivalent	None	Short-term on-the-job training	\$24.64
43-5052	Postal Service Mail Carriers	High school diploma or equivalent	None	Short-term on-the-job training	\$25.21
43-5061	Production, Planning, and Expediting Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training	\$23.45
43-5071	Shipping, Receiving, and Traffic Clerks	High school diploma or equivalent	None	Short-term on-the-job training	\$17.60
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	High school diploma or equivalent	None	Short-term on-the-job training	\$17.08
43-6011	Executive Secretaries and Executive Administrative Assistants	High school diploma or equivalent	Less than 5 years	None	\$28.17
43-6012	Legal Secretaries	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.20
43-6013	Medical Secretaries	High school diploma or equivalent	None	Moderate-term on-the-job training	\$16.82
43-6014	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	High school diploma or equivalent	None	Short-term on-the-job training	\$17.58
43-9021	Data Entry Keyers	High school diploma or equivalent	None	Short-term on-the-job training	\$14.48
43-9041	Insurance Claims and Policy Processing Clerks	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.55
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	High school diploma or equivalent	None	Short-term on-the-job training	\$13.37
43-9061	Office Clerks, General	High school diploma or equivalent	None	Short-term on-the-job training	\$17.57
43-9199	Office and Administrative Support Workers, All Other	High school diploma or equivalent	None	Short-term on-the-job training	\$17.62
45-0000	Farming, Fishing, and Forestry Occupations				\$16.93
45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers	High school diploma or equivalent	Less than 5 years	None	\$28.41
45-2091	Agricultural Equipment Operators	No formal educational credential	None	Moderate-term on-the-job training	\$21.91
47-0000	Construction and Extraction Occupations				\$23.40
47-1011	First-Line Supervisors of Construction Trades and Extraction Workers	High school diploma or equivalent	5 years or more	None	\$29.98

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
47-2021	Brickmasons and Blockmasons	High school diploma or equivalent	None	Apprenticeship	\$28.89
47-2031	Carpenters	High school diploma or equivalent	None	Apprenticeship	\$23.55
47-2041	Carpet Installers	No formal educational credential	None	Short-term on-the-job training	\$22.40
47-2051	Cement Masons and Concrete Finishers	No formal educational credential	None	Moderate-term on-the-job training	\$23.80
47-2061	Construction Laborers	No formal educational credential	None	Short-term on-the-job training	\$22.02
47-2071	Paving, Surfacing, and Tamping Equipment Operators	High school diploma or equivalent	None	Moderate-term on-the-job training	\$23.09
47-2073	Operating Engineers and Other Construction Equipment Operators	High school diploma or equivalent	None	Moderate-term on-the-job training	\$27.02
47-2081	Drywall and Ceiling Tile Installers	No formal educational credential	None	Moderate-term on-the-job training	\$23.80
47-2111	Electricians	High school diploma or equivalent	None	Apprenticeship	\$29.50
47-2121	Glaziers	High school diploma or equivalent	None	Apprenticeship	\$22.47
47-2132	Insulation Workers, Mechanical	High school diploma or equivalent	None	Apprenticeship	\$28.55
47-2141	Painters, Construction and Maintenance	No formal educational credential	None	Moderate-term on-the-job training	\$22.03
47-2151	Pipelayers	No formal educational credential	None	Short-term on-the-job training	\$22.26
47-2152	Plumbers, Pipefitters, and Steamfitters	High school diploma or equivalent	None	Apprenticeship	\$29.63
47-2181	Roofers	No formal educational credential	None	Moderate-term on-the-job training	\$22.09
47-2211	Sheet Metal Workers	High school diploma or equivalent	None	Apprenticeship	\$23.09
47-2221	Structural Iron and Steel Workers	High school diploma or equivalent	None	Apprenticeship	\$29.09
47-4011	Construction and Building Inspectors	High school diploma or equivalent	5 years or more	Moderate-term on-the-job training	\$29.17
47-4031	Fence Erectors	No formal educational credential	None	Moderate-term on-the-job training	\$17.64
47-4041	Hazardous Materials Removal Workers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.08
47-4051	Highway Maintenance Workers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.36
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.58
49-0000	Installation, Maintenance, and Repair Occupations				\$22.81
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	High school diploma or equivalent	Less than 5 years	None	\$35.10
49-2011	Computer, Automated Teller, and Office Machine Repairers	Some college, no degree	None	Short-term on-the-job training	\$18.21
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	Postsecondary non-degree award	None	Moderate-term on-the-job training	\$29.20
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	Postsecondary non-degree award	None	Long-term on-the-job training	\$31.77
49-2098	Security and Fire Alarm Systems Installers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.65
49-3011	Aircraft Mechanics and Service Technicians	Postsecondary non-degree award	None	None	\$28.20
49-3021	Automotive Body and Related Repairers	High school diploma or equivalent	None	Long-term on-the-job training	\$22.42
49-3023	Automotive Service Technicians and Mechanics	Postsecondary non-degree award	None	Short-term on-the-job training	\$18.18
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	High school diploma or equivalent	None	Long-term on-the-job training	\$22.58
49-3041	Farm Equipment Mechanics and Service Technicians	High school diploma or equivalent	None	Long-term on-the-job training	\$18.10
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	High school diploma or equivalent	None	Long-term on-the-job training	\$25.00
49-3093	Tire Repairers and Changers	High school diploma or equivalent	None	Short-term on-the-job training	\$14.29
49-9011	Mechanical Door Repairers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$21.63
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	High school diploma or equivalent	None	Moderate-term on-the-job training	\$29.42
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	Postsecondary non-degree award	None	Long-term on-the-job training	\$22.93
49-9041	Industrial Machinery Mechanics	High school diploma or equivalent	None	Long-term on-the-job training	\$28.90
49-9043	Maintenance Workers, Machinery	High school diploma or equivalent	None	Long-term on-the-job training	\$28.55
49-9044	Millwrights	High school diploma or equivalent	None	Apprenticeship	\$37.22
49-9051	Electrical Power-Line Installers and Repairers	High school diploma or equivalent	None	Long-term on-the-job training	\$37.42
49-9071	Maintenance and Repair Workers, General	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.40

JobsOhio Regional Network - Northwest Region
Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	High school diploma or equivalent	None	Short-term on-the-job training	\$17.71
49-9098	Helpers--Installation, Maintenance, and Repair Workers	High school diploma or equivalent	None	Short-term on-the-job training	\$17.41
49-9099	Installation, Maintenance, and Repair Workers, All Other	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.96
51-0000	Production Occupations				\$18.13
51-1011	First-Line Supervisors of Production and Operating Workers	High school diploma or equivalent	Less than 5 years	None	\$29.35
51-2028	Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.48
51-2041	Structural Metal Fabricators and Fitters	High school diploma or equivalent	None	Moderate-term on-the-job training	\$21.18
51-2090	Miscellaneous Assemblers and Fabricators	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.13
51-3011	Bakers	No formal educational credential	None	Long-term on-the-job training	\$14.14
51-3021	Butchers and Meat Cutters	No formal educational credential	None	Long-term on-the-job training	\$14.16
51-3092	Food Batchmakers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.10
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.05
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.09
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.48
51-4041	Machinists	High school diploma or equivalent	None	Long-term on-the-job training	\$19.28
51-4071	Foundry Mold and Coremakers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.03
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.45
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.59
51-4111	Tool and Die Makers	Postsecondary non-degree award	None	Long-term on-the-job training	\$27.27
51-4121	Welders, Cutters, Solderers, and Brazers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.60
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.92
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.35
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.90
51-5111	Prepress Technicians and Workers	Postsecondary non-degree award	None	None	\$18.09
51-5112	Printing Press Operators	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.78
51-5113	Print Binding and Finishing Workers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$14.56
51-6011	Laundry and Dry-Cleaning Workers	No formal educational credential	None	Short-term on-the-job training	\$11.29
51-6031	Sewing Machine Operators	No formal educational credential	None	Short-term on-the-job training	\$14.14
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	High school diploma or equivalent	None	Moderate-term on-the-job training	\$14.43
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.42
51-8031	Water and Wastewater Treatment Plant and System Operators	High school diploma or equivalent	None	Long-term on-the-job training	\$22.99
51-9011	Chemical Equipment Operators and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$23.13
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.09
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.09
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$17.79
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$22.95
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.27

JobsOhio Regional Network - Northwest Region

Occupational* Education and Training Classifications, Projections Report, 2020-2030

SOC Code	Occupational Title	Typical Education Needed for Entry	Work Experience in a Related Occupation	Typical On-The-Job Training Needed to Attain Competency in the Occupation	Median Wage May 2021
51-9111	Packaging and Filling Machine Operators and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.13
51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.09
51-9161	Computer Numerically Controlled Tool Operators	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.45
51-9162	Computer Numerically Controlled Tool Programmers	Postsecondary non-degree award	None	Moderate-term on-the-job training	\$23.98
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$14.76
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	High school diploma or equivalent	None	Long-term on-the-job training	\$18.45
51-9196	Paper Goods Machine Setters, Operators, and Tenders	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.29
51-9198	Helpers--Production Workers	High school diploma or equivalent	None	Short-term on-the-job training	\$17.85
51-9199	Production Workers, All Other	High school diploma or equivalent	None	Moderate-term on-the-job training	\$14.37
53-0000	Transportation and Material Moving Occupations				\$17.59
53-3031	Driver/Sales Workers	High school diploma or equivalent	None	Short-term on-the-job training	\$11.07
53-3032	Heavy and Tractor-Trailer Truck Drivers	Postsecondary non-degree award	None	Short-term on-the-job training	\$23.12
53-3033	Light Truck or Delivery Services Drivers	High school diploma or equivalent	None	Short-term on-the-job training	\$18.19
53-3052	Bus Drivers, Transit and Intercity	High school diploma or equivalent	None	Moderate-term on-the-job training	\$18.23
53-3058	Passenger Vehicle Drivers, Except Bus Drivers, Transit and Intercity	No formal educational credential	None	Short-term on-the-job training	\$18.05 ^^^
53-6021	Parking Lot Attendants	No formal educational credential	None	Short-term on-the-job training	\$11.62
53-6031	Automotive and Watercraft Service Attendants	No formal educational credential	None	Short-term on-the-job training	\$13.63
53-7011	Conveyor Operators and Tenders	No formal educational credential	None	Short-term on-the-job training	\$23.63
53-7021	Crane and Tower Operators	High school diploma or equivalent	Less than 5 years	Moderate-term on-the-job training	\$22.62
53-7051	Industrial Truck and Tractor Operators	No formal educational credential	None	Short-term on-the-job training	\$18.31
53-7061	Cleaners of Vehicles and Equipment	No formal educational credential	None	Short-term on-the-job training	\$13.81
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	No formal educational credential	None	Short-term on-the-job training	\$14.82
53-7063	Machine Feeders and Offbearers	No formal educational credential	None	Short-term on-the-job training	\$17.48
53-7064	Packers and Packagers, Hand	No formal educational credential	None	Short-term on-the-job training	\$14.42
53-7065	Stockers and Order Fillers	High school diploma or equivalent	None	Short-term on-the-job training	\$14.42
53-7081	Refuse and Recyclable Material Collectors	No formal educational credential	None	Short-term on-the-job training	\$18.01
53-7121	Tank Car, Truck, and Ship Loaders	No formal educational credential	None	Short-term on-the-job training	\$18.77

* Occupations with 100 or more workers.

** Certain occupations only report wages at the annual level.

^ National hourly wage.

^^ National annual wage.

^^^ National aggregate wage.

Wage above max.

▲ Wage not available due to OES/SOC changes.

† Statewide hourly wage.

†† Statewide annual wage.

Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, June 2023.

Bureau of Labor Market Information Business Principles for Workforce Development

- Partner with the workforce and economic development community.
- Develop and deploy new information solution tools and systems for the workforce and economic development community.
- Provide products and services that are customer- and demand-driven.
- Be known as an important and reliable source for information solutions that support workforce development goals and outcomes.

Acknowledgments: The Workforce Research Section produced this report under the direction of Labor Market Bureau Chief, Byron Archer. To view other publications, access data or provide feedback, visit <http://OhioLMI.com> or contact the Ohio Bureau of Labor Market Information at (614) 752-9494 or ContactLMI@jfs.ohio.gov.

Mike DeWine, Governor
Jon Husted, Lt. Governor

State of Ohio
<http://Ohio.gov>

Matt Damschroder, Director
Ohio Department of Job and Family Services
<http://jfs.ohio.gov>

Office of Workforce Development
<http://jfs.ohio.gov/owd/>

Bureau of Labor Market Information
<http://OhioLMI.com>

This institution is an equal opportunity provider and employer.
A proud partner of the American Job Center network.