

Demand Occupation Approved Training Programs
(Local or Online)

Code	Occupational Title	Expected Growth Annually	Total Annual Openings	Median Wage May 2019
11-0000	Management Occupations	-0.5%	1617	\$45.20
11-1021	General and Operations Managers	2.3%	240	\$42.81
11-3011	Administrative Services Managers	2.7%	2	\$39.19 †
11-3021	Computer and Information Systems Managers	2.6%	34	\$56.23
11-3051	Industrial Production Managers	2.5%	41	\$49.00
11-3121	Human Resources Managers	6.2%	15	\$52.97
11-9021	Construction Managers	3.7%	63	\$46.29
11-9031	Education Administrators, Preschool and Childcare Center/Program	3.1%	11	\$18.88
11-9051	Food Service Managers	-3.9%	71	\$20.42
11-9111	Medical and Health Services Managers	11.7%	79	\$40.89
11-9198	Managers, All Other	5.9%	4	\$48.09
13-0000	Business and Financial Operations Occupations	2.4%	791	\$28.78
13-1071	Human Resource Specialists	2.2%	83	\$24.62
13-1111	Management Analysts	6.4%	42	\$30.99
13-1131	Fundraisers	8.4%	33	\$27.08
13-1151	Training and Development Specialists	7.0%	41	\$25.03
13-1161	Market Research Analysts and Marketing Specialists	15.5%	99	\$24.57
13-1198	Business Operations Specialists, All Other	2.7%	4	\$32.47
13-2011	Accountants and Auditors	-0.6%	175	\$30.07
15-0000	Computer and Mathematical Occupations	3.9%	29	\$32.17
15-1132	Software Developers, Applications	17.9%	12	p
15-1134	Web Developers	15.0%	2	p
15-1211	Computer Systems Analysts	-1.5%	0	\$36.61
15-1231	Computer Network Support Specialists	-7.4%	1	\$29.30
15-1232	Computer User Support Specialists	-0.9%	0	\$21.53
15-1241	Computer Network Architects	3.0%	0	\$41.22
15-1244	Network and Computer Systems Administrators	-0.4%	0	\$35.60
15-1245	Database Administrators	7.9%	1	\$38.73
15-1251	Computer Programmers	-8.4%	0	\$34.19
15-1299	Computer Occupations, All Other	8.0%	3	\$32.39
17-0000	Architecture and Engineering Occupations	2.9%	305	\$35.17
17-2051	Civil Engineers	-2.2%	35	\$32.97
17-2071	Electrical Engineers	4.4%	19	\$41.07
17-2141	Mechanical Engineers	6.8%	36	\$36.99
17-2199	Engineers, All Other	1.8%	16	\$41.46
17-3011	Architectural and Civil Drafters	-7.5%	15	\$20.55
17-3023	Electrical and Electronic Engineering Technicians	-3.0%	8	\$29.95
17-3026	Industrial Engineering Technicians	0.7%	13	\$26.85

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19-0000	Life, Physical, and Social Science Occupations	1.8%	141	\$30.02
19-2041	Environmental Scientists and Specialists, Including Health	2.9%	15	\$37.24
19-4042	Environmental Science and Protection Technicians, Including Health	0.9%	0	\$19.26
21-0000	Community and Social Service Occupations	7.1%	659	\$21.51
21-1018	Substance Abuse, Behavioral Disorder, and Mental Health Counselors	15.4%	62	\$22.09
21-1021	Child, Family, and School Social Workers	7.1%	58	\$21.36
21-1093	Social and Human Service Assistants	7.9%	137	\$18.08
21-1094	Community Health Workers	3.8%	10	\$18.51
23-0000	Legal Occupations	-9.0%	79	\$36.09
23-2011	Paralegals and Legal Assistants	-8.8%	37	\$18.96
25-0000	Education, Training, and Library Occupations	-0.4%	1097	\$23.99
25-2011	Preschool Teachers, Except Special Education	4.6%	99	\$12.64
25-3097	Teachers and Instructors, All Other, Except Substitute Teachers	0.0%	34	\$17.12 ††
25-9041	Teacher Assistants	-0.3%	0	p
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	-5.8%	370	\$19.66
27-1024	Graphic Designers	-12.6%	29	\$20.89
29-0000	Healthcare Practitioners and Technical Occupations	6.6%	1045	\$28.93
29-1141	Registered Nurses	7.3%	393	\$30.69
29-1292	Dental Hygienists	-1.2%	0	\$28.14
29-2031	Cardiovascular Technologists and Technicians	3.3%	9	\$25.41
29-2041	Emergency Medical Technicians and Paramedics	-4.8%	0	\$16.79 †
29-2052	Pharmacy Technicians	2.5%	84	\$14.24
29-2061	Licensed Practical and Licensed Vocational Nurses	8.2%	151	\$22.12
29-2071	Medical Records and Health Information Technicians	4.5%	2	p
29-2098	Health Technologists and Technicians, All Other	11.2%	5	\$19.08
31-0000	Healthcare Support Occupations	15.0%	679	\$12.79
31-1011	Home Health Aides	35.2%	91	\$11.09 †
31-1014	Nursing Assistants	1.7%	6	\$13.10
31-2011	Occupational Therapist Assistants	26.7%	49	\$28.26
31-2021	Physical Therapist Assistants	15.6%	64	\$27.81
31-9011	Massage Therapists	19.0%	29	\$20.32
31-9091	Dental Assistants	-0.9%	46	\$16.38
31-9092	Medical Assistants	20.0%	264	\$15.51
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	12.3%	18	\$12.75
31-9097	Phlebotomists	9.4%	55	\$17.34
33-0000	Protective Service Occupations	-2.3%	596	\$22.06
33-2011	Fire Fighters	-0.1%	61	\$26.29
33-3051	Police and Sheriff's Patrol Officers	-0.4%	105	\$30.34

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33-9032	Security Guards	-2.8%	232	\$12.29
35-0000	Food Preparation and Serving Related Occupations	1.5%	2961	\$9.78
35-2012	Cooks, Institution and Cafeteria	0.4%	125	\$13.22
37-0000	Building and Grounds Cleaning and Maintenance Occupations	1.7%	1294	\$12.70
39-0000	Personal Care and Service Occupations	10.3%	1078	\$11.48
39-9011	Child Care Workers	0.8%	277	\$11.06
39-9021	Personal and Home Care Aides	29.5%	66	\$11.09 †
39-9031	Fitness Trainers and Aerobics Instructors	3.8%	112	\$11.97
41-0000	Sales and Related Occupations	-4.0%	3094	\$13.29
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	1.5%	38	\$37.52
43-0000	Office and Administrative Support Occupations	-6.5%	3602	\$17.56
43-1011	First-Line Supervisors of Office and Administrative Support Workers	-4.3%	240	\$26.97
43-3011	Bill and Account Collectors	-11.3%	44	\$18.95
43-3021	Billing and Posting Clerks and Machine Operators	6.8%	180	\$17.98
43-3031	Bookkeeping, Accounting, and Auditing Clerks	-7.4%	290	\$18.10
43-4051	Customer Service Representatives	-6.6%	429	\$15.98
43-4081	Hotel, Motel, and Resort Desk Clerks	-10.6%	39	\$9.80
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	-6.6%	28	\$18.51
43-6011	Executive Secretaries and Administrative Assistants	-22.6%	60	\$26.73
43-6013	Medical Secretaries	8.2%	228	\$16.09
43-6014	Secretaries, Except Legal, Medical, and Executive	-12.7%	329	\$17.48
43-9041	Insurance Claims and Policy Processing Clerks	0.7%	25	\$18.11
43-9061	Office Clerks, General	-6.5%	596	\$16.33
43-9199	Office and Administrative Support Workers, All Other	1.2%	17	\$17.29
45-0000	Farming, Fishing, and Forestry Occupations	0.6%	74	\$15.55
47-0000	Construction and Extraction Occupations	7.8%	1381	\$26.68
47-2031	Carpenters	6.5%	208	\$25.92
47-2061	Construction Laborers	8.9%	268	\$19.24
47-2111	Electricians	8.4%	210	\$34.03
47-2152	Plumbers, Pipefitters, and Steamfitters	11.0%	90	\$34.34
49-0000	Installation, Maintenance, and Repair Occupations	2.4%	1102	\$21.94
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	-5.9%	32	\$25.56
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	0.8%	9	\$32.12
49-3023	Automotive Service Technicians and Mechanics	-6.0%	115	\$18.87
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	2.0%	46	\$19.65
49-9021	Heating, AC, and Refrigeration Mechanics and Installers	8.9%	48	\$24.23
49-9043	Maintenance Workers, Machinery	10.1%	15	\$25.00

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Code	Occupational Title	Expected Growth Annually	Total Annual Openings	Median Wage May 2019
49-9044	Millwrights	17.0%	40	\$32.42
49-9071	Maintenance and Repair Workers, General	2.0%	278	\$19.47
49-9098	Helpers--Installation, Maintenance, and Repair Workers	4.7%	17	\$16.04
51-0000	Production Occupations	-3.3%	2444	\$18.54
51-4041	Machinists	3.1%	129	\$19.39
51-4111	Tool and Die Makers	-3.9%	81	\$26.97
51-4121	Welders, Cutters, Solderers, and Brazers	1.3%	61	\$20.01
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	-5.6%	21	\$17.10
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	-15.0%	239	\$25.70
53-0000	Transportation and Material Moving Occupations	0.5%	2582	\$14.86
53-3032	Truck Drivers, Heavy and Tractor-Trailer	3.6%	551	\$21.34
53-3033	Truck Drivers, Light or Delivery Services	0.3%	242	\$15.60
<p>* Occupations with 100 or more workers. # Wages above max. p Wage not available due to OES/SOC changes. † Aggregate wages. †† Certain occupations only report wages at the annual level - for elementary and secondary teachers this typically reflects a 9 1/2 month school year.</p>				
<p>Identified Demand Occupation Clusters</p>				
<p>Source: Ohio Department of Job and Family Services, Bureau of Labor Market Information, July 2021.</p>				