

## In-Demand Occupations Report - 10/01/2017

Occupations with State Annual Earnings ≥ \$13.47 per hour, Annual Growth in Jobs ≥ the Area Average and/or Total Annual Job Openings ≥ the Area Average and JobsOhio Industry Cluster In-Demand Occupations and 2nd Tier Methodology for Forecasted Jobs.							
Projections							
Ref. #	Ext. SOC	SOC (Truncated)	Occupation Title- 236	Job Family	Starting Wage May 2015	Median Wage May 2015	Education Level <sup>1</sup>
1	13-2011.00	13-2011	Accountants and Auditors	Business and Financial Operations Occupations	\$44,730	\$63,350	Bachelor's degree
2	15-2011.00	15-2011	Actuaries	Computer and Mathematical Occupations	\$59,460	\$89,430	Bachelor's degree
3	11-3011.00	11-3011	Administrative Services Managers	Management Occupations	\$53,880	\$77,810	Bachelor's degree
4	17-2011.00	17-2011	Aerospace Engineers	Architecture and Engineering Occupations	\$72,520	\$107,560	Bachelor's degree
5	49-3011.00	49-3011	Aircraft Mechanics and Service Technicians	Installation, Maintenance, and Repair Occupations	\$37,460	\$58,370	Certificate/Some college
6	11-9041.00	11-9041	Architectural and Engineering Managers	Management Occupations	\$87,930	\$120,520	Bachelor's degree
7	51-2099.00	51-2099	Assemblers and Fabricators, All Other	Production Occupations	\$21,070	\$29,730	High school diploma or equivalent
8	27-4011.00	27-4011	Audio and Video Equipment Technicians	Arts, Design, Entertainment, Sports, and Media Occupations	\$22,970	\$35,340	Certificate/Some college
9	49-3021.00	49-3021	Automotive Body and Related Repairers	Installation, Maintenance, and Repair Occupations	\$27,990	\$37,960	High school diploma or equivalent
10	49-3023.00	49-3023	Automotive Service Technicians and Mechanics	Installation, Maintenance, and Repair Occupations	\$22,430	\$35,260	Certificate/Some college
11	53-6051.01	53-6051	Aviation Inspectors*	Transportation and Material Moving Occupations	\$31,930	\$50,310	High school diploma or equivalent
12	49-2091.00	49-2091	Avionics Technicians	Installation, Maintenance, and Repair Occupations	\$43,990	\$58,520	Associate's degree
13	43-3011.00	43-3011	Bill and Account Collectors	Office and Administrative Support Occupations	\$25,170	\$32,110	High school diploma or equivalent
14	43-3021.00	43-3021	Billing and Posting Clerks	Office and Administrative Support Occupations	\$26,220	\$34,290	High school diploma or equivalent
15	11-9041.01	11-9041	Biofuels/Biodiesel Technology & Product Development Managers*	Management Occupations	\$87,930	\$120,520	Bachelor's degree
16	19-4021.00	19-4021	Biological Technicians	Life, Physical, and Social Science Occupations	\$29,670	\$38,917	Bachelor's degree
17	17-2031.00	17-2031	Biomedical Engineers	Architecture and Engineering Occupations	\$47,430	\$68,224	Bachelor's degree
18	43-3031.00	43-3031	Bookkeeping, Accounting, and Auditing Clerks	Office and Administrative Support Occupations	\$25,080	\$35,800	Certificate/Some college
19	49-3031.00	49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	Installation, Maintenance, and Repair Occupations	\$31,030	\$43,920	High school diploma or equivalent
20	53-3022.00	53-3022	Bus Drivers, School or Special Client	Transportation and Material Moving Occupations	\$21,090	\$32,370	High school diploma or equivalent
21	15-1199.08	15-1199	Business Intelligence Analysts*	Computer and Mathematical Occupations	\$47,040	\$78,240	Bachelor's degree
22	13-1199.00	13-1199	Business Operations Specialists, All Other	Business and Financial Operations Occupations	\$40,910	\$62,410	Bachelor's degree
23	47-2031.00	47-2031	Carpenters	Construction and Extraction Occupations	\$30,950	\$43,780	High school diploma or equivalent
24	47-2051.00	47-2051	Cement Masons and Concrete Finishers	Construction and Extraction Occupations	\$29,930	\$41,120	Less Than High School
25	17-2041.00	17-2041	Chemical Engineers	Architecture and Engineering Occupations	\$57,250	\$86,110	Bachelor's degree
26	51-9011.00	51-9011	Chemical Equipment Operators/Tenders	Production Occupations	\$30,080	\$44,850	High school diploma or equivalent
27	51-8091.00	51-8091	Chemical Plant and System Operators	Production Occupations	\$33,420	\$47,620	High school diploma or equivalent
28	19-2031.00	19-2031	Chemists	Life, Physical, and Social Science Occupations	\$43,280	\$67,890	Bachelor's degree
29	21-1021.00	21-1021	Child, Family, and School Social Workers	Community and Social Service Occupations	\$30,580	\$39,010	Bachelor's degree
30	17-2051.00	17-2051	Civil Engineers	Architecture and Engineering Occupations	\$52,000	\$76,190	Bachelor's degree
31	13-1031.00	13-1031	Claims Adjusters, Examiners, and Investigators	Business and Financial Operations Occupations	\$41,840	\$62,100	High school diploma or equivalent
32	19-3031.00	19-3031	Clinical, Counseling, and School Psychologists	Life, Physical, and Social Science Occupations	\$45,260	\$71,000	Doctoral or professional degree
33	53-2012.00	53-2012	Commercial Pilots	Transportation and Material Moving Occupations	\$27,890	\$50,920	High school diploma or equivalent
34	13-1041.00	13-1041	Compliance Officers*	Business and Financial Operations Occupations	\$37,990	\$56,470	Bachelor's degree
35	15-1111.00	15-1111	Computer & Information Research Scientists	Computer and Mathematical Occupations	\$77,020	\$96,810	Doctoral or professional degree
36	11-3021.00	11-3021	Computer and Information Systems Managers	Management Occupations	\$79,600	\$118,320	Bachelor's degree
37	17-2061.00	17-2061	Computer Hardware Engineers	Architecture and Engineering Occupations	\$58,000	\$88,850	Bachelor's degree
38	15-1143.00	15-1143	Computer Network Architects	Computer and Mathematical Occupations	\$65,830	\$98,738	Bachelor's degree
39	15-1152.00	15-1152	Computer Network Support Specialists	Computer and Mathematical Occupations	\$36,160	\$54,470	Associate's degree
40	51-4012.00	51-4012	Computer Numerically Controlled Machine Tool Prog., M/P	Production Occupations	\$35,480	\$46,620	High school diploma or equivalent
41	15-1131.00	15-1131	Computer Programmers	Computer and Mathematical Occupations	\$43,250	\$68,180	Bachelor's degree
42	15-1121.00	15-1121	Computer Systems Analysts	Computer and Mathematical Occupations	\$57,240	\$82,510	Bachelor's degree
43	15-1199.02	15-1199	Computer Systems Engineers/Architects*	Computer and Mathematical Occupations	\$47,040	\$78,240	Bachelor's degree
44	15-1151.00	15-1151	Computer User Support Specialists	Computer and Mathematical Occupations	\$30,490	\$42,960	Certificate/Some college
45	51-4011.00	51-4011	Computer-Controlled Machine Tool Oper., M/P	Production Occupations	\$26,060	\$36,830	High school diploma or equivalent
46	47-2061.00	47-2061	Construction Laborers	Construction and Extraction Occupations	\$24,800	\$36,730	Less Than High School
47	11-9021.00	11-9021	Construction Managers	Management Occupations	\$60,260	\$84,990	Bachelor's degree
48	13-1051.00	13-1051	Cost Estimators	Business and Financial Operations Occupations	\$37,260	\$56,610	Bachelor's degree
49	13-2041.00	13-2041	Credit Analysts	Business and Financial Operations Occupations	\$45,870	\$65,170	Bachelor's degree
50	43-4051.00	43-4051	Customer Service Representatives	Office and Administrative Support Occupations	\$22,490	\$30,510	High school diploma or equivalent

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Projections							
Ref. #	Ext. SOC	SOC (Truncated)	Occupation Title- 236	Job Family	Starting Wage May 2015	Median Wage May 2015	Education Level <sup>1</sup>
51	51-4031.00	51-4031	Cutting/Punching/Press Machine S/O/T, M/P	Production Occupations	\$23,608	\$31,408	High school diploma or equivalent
52	15-1199.07	15-1199	Data Warehousing Specialists*	Computer and Mathematical Occupations	\$47,040	\$78,240	Bachelor's degree
53	15-1141.00	15-1141	Database Administrators	Computer and Mathematical Occupations	\$50,900	\$75,890	Bachelor's degree
54	31-9091.00	31-9091	Dental Assistants	Healthcare Support Occupations	\$27,910	\$35,460	Certificate/Some college
55	29-2021.00	29-2021	Dental Hygienists	Healthcare Practitioners and Technical Occupations	\$54,330	\$67,500	Associate's degree
56	29-1021.00	29-1021	Dentists, General	Healthcare Practitioners and Technical Occupations	\$101,920	\$171,180	Doctoral or professional degree
57	29-2032.00	29-2032	Diagnostic Medical Sonographers	Healthcare Practitioners and Technical Occupations	\$51,870	\$62,650	Associate's degree
58	43-5032.00	43-5032	Dispatchers, Except Police, Fire, and Ambulance	Office and Administrative Support Occupations	\$25,010	\$38,520	High school diploma or equivalent
59	17-3023.00	17-3023	Electrical and Electronic Engineering Technicians	Architecture and Engineering Occupations	\$38,120	\$59,680	Associate's degree
60	51-2022.00	51-2022	Electrical and Electronic Equipment Assemblers	Production Occupations	\$21,370	\$29,520	High school diploma or equivalent
61	17-3023.03	17-3023	Electrical Engineering Technicians*	Architecture and Engineering Occupations	\$38,120	\$59,680	Associate's degree
62	17-3029.02	17-3029	Electrical Engineering Technologists*	Architecture and Engineering Occupations	\$38,820	\$55,070	Associate's degree
63	17-2071.00	17-2071	Electrical Engineers	Architecture and Engineering Occupations	\$54,640	\$77,220	Bachelor's degree
64	49-9051.00	49-9051	Electrical Power-Line Installers and Repairers	Installation, Maintenance, and Repair Occupations	\$46,260	\$67,040	High school diploma or equivalent
65	49-2093.00	49-2093	Electrical/Electronics Install/Repair, Trans. Equip.	Installation, Maintenance, and Repair Occupations	\$38,190	\$58,100	Certificate/Some college
66	49-2094.00	49-2094	Electrical/Electronics Repair, Comm/Indus Equip.	Installation, Maintenance, and Repair Occupations	\$38,060	\$54,420	Certificate/Some college
67	49-2095.00	49-2095	Electrical/Electronics Repair, Pwrhse/Substa/Rly	Installation, Maintenance, and Repair Occupations	\$61,070	\$70,480	Certificate/Some college
68	47-2111.00	47-2111	Electricians	Construction and Extraction Occupations	\$32,950	\$49,670	High school diploma or equivalent
69	17-3024.00	17-3024	Electro-Mechanical Technicians	Architecture and Engineering Occupations	\$38,720	\$54,460	Associate's degree
70	17-3023.01	17-3023	Electronics Engineering Technicians*	Architecture and Engineering Occupations	\$38,120	\$59,680	Associate's degree
71	17-2072.00	17-2072	Electronics Engineers, Except Computer	Architecture and Engineering Occupations	\$62,430	\$89,260	Bachelor's degree
72	29-2041.00	29-2041	Emergency Medical Technicians and Paramedics	Healthcare Practitioners and Technical Occupations	\$21,740	\$28,820	Certificate/Some college
73	51-2031.00	51-2031	Engine and Other Machine Assemblers	Production Occupations	\$31,500	\$47,240	High school diploma or equivalent
74	13-1041.01	13-1041	Environmental Compliance Inspectors*	Business and Financial Operations Occupations	\$37,990	\$56,470	Bachelor's degree
75	17-2081.00	17-2081	Environmental Engineers	Architecture and Engineering Occupations	\$63,000	\$88,410	Bachelor's degree
76	43-6011.00	43-6011	Executive Secretaries and Administrative Assistants	Office and Administrative Support Occupations	\$36,910	\$49,010	High school diploma or equivalent
77	51-9041.00	51-9041	Extrud/Form/Pressing/Compacting Mach. S/O/T	Production Occupations	\$24,565	\$29,619	High school diploma or equivalent
78	29-1062.00	29-1062	Family and General Practitioners	Healthcare Practitioners and Technical Occupations	\$119,910	\$180,220	Doctoral or professional degree
79	11-9013.00	11-9013	Farmers, Ranchers, and Other Agricultural Managers	Management Occupations	\$44,860	\$56,480	High school diploma or equivalent
80	13-2051.00	13-2051	Financial Analysts	Business and Financial Operations Occupations	\$49,010	\$69,580	Bachelor's degree
81	11-3031.00	11-3031	Financial Managers	Management Occupations	\$64,620	\$106,320	Bachelor's degree
82	47-1011.00	47-1011	FL Sup/Mgrs of Con. Trades/Extract. Work	Construction and Extraction Occupations	\$44,270	\$59,710	High school diploma or equivalent
83	35-1012.00	35-1012	FL Sup/Mgrs of Food Prep. & Serving Workers	Food Preparation and Serving Related Occupations	\$20,840	\$29,100	High school diploma or equivalent
84	53-1021.00	53-1021	FL Sup/Mgrs of Help/Labor/Mat. Movers, Hand	Transportation and Material Moving Occupations	\$30,380	\$45,650	High school diploma or equivalent
85	49-1011.00	49-1011	FL Sup/Mgrs of Mechanics/Installers/Repairers	Installation, Maintenance, and Repair Occupations	\$40,820	\$60,240	High school diploma or equivalent
86	41-1012.00	41-1012	FL Sup/Mgrs of Non-Retail Sales Workers	Sales and Related Occupations	\$44,030	\$71,210	High school diploma or equivalent
87	43-1011.00	43-1011	FL Sup/Mgrs of Office & Admin. Support	Office and Administrative Support Occupations	\$34,170	\$49,410	High school diploma or equivalent
88	51-1011.00	51-1011	FL Sup/Mgrs of Production/Operating Workers	Production Occupations	\$38,050	\$55,490	High school diploma or equivalent
89	41-1011.00	41-1011	FL Sup/Mgrs of Retail Sales Workers	Sales and Related Occupations	\$24,150	\$35,510	High school diploma or equivalent
90	53-1031.00	53-1031	FL Sup/Mgrs of Trans/Mat.-Mov. Mach & Veh Op	Transportation and Material Moving Occupations	\$36,440	\$54,980	High school diploma or equivalent
91	19-1012.00	19-1012	Food Scientists and Technologists	Life, Physical, and Social Science Occupations	\$39,730	\$54,538	Bachelor's degree
92	11-9051.00	11-9051	Food Service Managers	Management Occupations	\$33,730	\$49,590	High school diploma or equivalent
93	11-1021.00	11-1021	General and Operations Managers	Management Occupations	\$49,430	\$89,950	Bachelor's degree
94	27-1024.00	27-1024	Graphic Designers	Arts, Design, Entertainment, Sports, and Media Occupations	\$29,450	\$43,100	Bachelor's degree
95	17-2111.00	17-2111	Health & Safety Engineers, ex. Mining Safety & Inspectors	Architecture and Engineering Occupations	\$59,050	\$82,320	Bachelor's degree
96	29-2099.00	29-2099	Health Technologists and Technicians, All Other	Healthcare Practitioners and Technical Occupations	\$29,590	\$39,940	High school diploma or equivalent
97	21-1022.00	21-1022	Healthcare Social Workers	Community and Social Service Occupations	\$41,480	\$54,100	Master's degree
98	31-9099.00	31-9099	Healthcare Support Workers, All Other	Healthcare Support Occupations	\$20,470	\$27,960	High school diploma or equivalent
99	49-9021.00	49-9021	Heating, AC, & Refrigeration Mechanics/Installers	Installation, Maintenance, and Repair Occupations	\$30,620	\$44,150	Certificate/Some college
100	47-3019.00	47-3019	Helpers, Construction Trades, All Other	Construction and Extraction Occupations	\$18,780	\$26,130	Less Than High School

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Projections							
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101	47-3013.00	47-3013	Helpers--Electricians	Construction and Extraction Occupations	\$21,750	\$28,180	High school diploma or equivalent
102	51-9198.00	51-9198	Helpers--Production Workers	Production Occupations	\$20,270	\$26,260	Less Than High School
103	43-4161.00	43-4161	Human Resources Assis., ex. Payroll & Timek	Office and Administrative Support Occupations	\$28,100	\$36,950	Associate's degree
104	11-3121.00	11-3121	Human Resources Managers	Management Occupations	\$71,250	\$100,130	Bachelor's degree
105	13-1071.00	13-1071	Human Resources Specialists	Business and Financial Operations Occupations	\$36,010	\$54,670	Bachelor's degree
106	17-2112.00	17-2112	Industrial Engineers	Architecture and Engineering Occupations	\$55,100	\$76,680	Bachelor's degree
107	49-9041.00	49-9041	Industrial Machinery Mechanics	Installation, Maintenance, and Repair Occupations	\$33,160	\$47,040	High school diploma or equivalent
108	11-3051.00	11-3051	Industrial Production Managers	Management Occupations	\$58,360	\$85,260	Bachelor's degree
109	53-7051.00	53-7051	Industrial Truck and Tractor Operators	Transportation and Material Moving Occupations	\$24,360	\$31,500	Less Than High School
110	15-1122.00	15-1122	Information Security Analysts	Computer and Mathematical Occupations	\$57,620	\$80,780	Bachelor's degree
111	15-1199.09	15-1199	Information Technology Project Managers*	Computer and Mathematical Occupations	\$47,040	\$78,229	Bachelor's degree
112	51-9061.00	51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	Production Occupations	\$24,900	\$36,170	High school diploma or equivalent
113	25-9031.01	25-9031	Instructional Designers and Technologists*	Education, Training, and Library Occupations	\$35,300	\$59,600	Master's degree
114	43-9041.00	43-9041	Insurance Claims and Policy Processing Clerks	Office and Administrative Support Occupations	\$26,720	\$36,190	High school diploma or equivalent
115	41-3021.00	41-3021	Insurance Sales Agents	Sales and Related Occupations	\$29,900	\$48,460	High school diploma or equivalent
116	13-2053.00	13-2053	Insurance Underwriters	Business and Financial Operations Occupations	\$43,800	\$61,340	Bachelor's degree
117	29-1063.00	29-1063	Internists, General	Healthcare Practitioners and Technical Occupations	\$59,110	\$164,130	Doctoral or professional degree
118	27-3091.00	27-3091	Interpreters and Translators	Arts, Design, Entertainment, Sports, and Media Occupations	\$26,620	\$41,370	Bachelor's degree
119	43-4111.00	43-4111	Interviewers, Except Eligibility and Loan	Office and Administrative Support Occupations	\$23,140	\$29,530	High school diploma or equivalent
120	23-1011.00	23-1011	Lawyers	Legal Occupations	\$58,190	\$96,190	Doctoral or professional degree
121	29-2061.00	29-2061	Licensed Practical and Licensed Vocational Nurses	Healthcare Practitioners and Technical Occupations	\$33,910	\$40,750	Certificate/Some college
122	43-4131.00	43-4131	Loan Interviewers and Clerks	Office and Administrative Support Occupations	\$26,270	\$35,990	High school diploma or equivalent
123	13-2072.00	13-2072	Loan Officers	Business and Financial Operations Occupations	\$34,670	\$57,530	Bachelor's degree
124	13-1081.00	13-1081	Logisticians*	Business and Financial Operations Occupations	\$48,630	\$69,590	Bachelor's degree
125	13-1081.02	13-1081	Logistics Analysts*	Business and Financial Operations Occupations	\$48,630	\$69,590	Bachelor's degree
126	11-9199.08	11-9199	Loss Prevention Managers*	Management Occupations	\$54,810	\$93,330	High school diploma or equivalent
127	51-4041.00	51-4041	Machinists	Production Occupations	\$28,520	\$39,670	High school diploma or equivalent
128	29-2035.00	29-2035	Magnetic Resonance Imaging Technologists	Healthcare Practitioners and Technical Occupations	\$51,270	\$61,173	Associate's degree
129	49-9071.00	49-9071	Maintenance and Repair Workers, General	Installation, Maintenance, and Repair Occupations	\$25,450	\$37,520	High school diploma or equivalent
130	49-9043.00	49-9043	Maintenance Workers, Machinery	Installation, Maintenance, and Repair Occupations	\$32,010	\$44,440	High school diploma or equivalent
131	13-1111.00	13-1111	Management Analysts	Business and Financial Operations Occupations	\$45,960	\$74,290	Bachelor's degree
132	11-9199.00	11-9199	Managers, All Other	Management Occupations	\$54,810	\$93,320	Bachelor's degree
133	17-2199.04	17-2199	Manufacturing Engineers*	Architecture and Engineering Occupations	\$53,310	\$84,552	Bachelor's degree
134	17-3029.09	17-3029	Manufacturing Production Technicians*	Architecture and Engineering Occupations	\$38,820	\$55,070	Associate's degree
135	13-1161.00	13-1161	Market Research Analysts and Marketing Specialists	Business and Financial Operations Occupations	\$37,860	\$59,510	Bachelor's degree
136	11-2021.00	11-2021	Marketing Managers	Management Occupations	\$76,010	\$118,730	Bachelor's degree
137	31-9011.00	31-9011	Massage Therapists	Healthcare Support Occupations	\$21,580	\$33,160	Certificate/Some college
138	17-2131.00	17-2131	Materials Engineers	Architecture and Engineering Occupations	\$60,630	\$89,680	Bachelor's degree
139	19-2032.00	19-2032	Materials Scientists	Life, Physical, and Social Science Occupations	\$54,310	\$91,640	Bachelor's degree
140	17-3013.00	17-3013	Mechanical Drafters	Architecture and Engineering Occupations	\$36,840	\$49,230	Associate's degree
141	17-3027.00	17-3027	Mechanical Engineering Technicians	Architecture and Engineering Occupations	\$36,050	\$48,280	Associate's degree
142	17-2141.00	17-2141	Mechanical Engineers	Architecture and Engineering Occupations	\$52,240	\$73,010	Bachelor's degree
143	29-2012.00	29-2012	Medical and Clinical Laboratory Technicians	Healthcare Practitioners and Technical Occupations	\$31,450	\$41,850	Associate's degree
144	29-2011.00	29-2011	Medical and Clinical Laboratory Technologists	Healthcare Practitioners and Technical Occupations	\$48,920	\$58,060	Bachelor's degree
145	11-9111.00	11-9111	Medical and Health Services Managers	Management Occupations	\$64,740	\$87,430	Bachelor's degree
146	31-9092.00	31-9092	Medical Assistants	Healthcare Support Occupations	\$23,670	\$28,600	Certificate/Some college
147	49-9062.00	49-9062	Medical Equipment Repairers	Installation, Maintenance, and Repair Occupations	\$33,400	\$50,500	Associate's degree
148	29-2071.00	29-2071	Medical Records and Health Information Technicians	Healthcare Practitioners and Technical Occupations	\$27,180	\$36,070	Certificate/Some college
149	43-6013.00	43-6013	Medical Secretaries	Office and Administrative Support Occupations	\$23,810	\$30,190	High school diploma or equivalent
150	21-1023.00	21-1023	Mental Health and Substance Abuse Social Workers	Community and Social Service Occupations	\$29,420	\$37,310	Bachelor's degree

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151	21-1014.00	21-1014	Mental Health Counselors	Community and Social Service Occupations	\$32,190	\$43,270	Master's degree
152	49-9044.00	49-9044	Millwrights	Installation, Maintenance, and Repair Occupations	\$41,110	\$62,470	High school diploma or equivalent
153	49-3042.00	49-3042	Mobile Heavy Equipment Mechanics, Except Engines	Installation, Maintenance, and Repair Occupations	\$34,560	\$47,480	High school diploma or equivalent
154	11-9121.00	11-9121	Natural Sciences Managers	Management Occupations	\$68,580	\$111,910	Bachelor's degree
155	15-1142.00	15-1142	Network and Computer Systems Administrators	Computer and Mathematical Occupations	\$50,350	\$69,550	Bachelor's degree
156	43-4141.00	43-4141	New Accounts Clerks	Office and Administrative Support Occupations	\$26,090	\$32,090	High school diploma or equivalent
157	17-3029.01	17-3029	Non-Destructive Testing Specialists*	Architecture and Engineering Occupations	\$38,820	\$55,070	Associate's degree
158	29-2033.00	29-2033	Nuclear Medicine Technologists	Healthcare Practitioners and Technical Occupations	\$55,420	\$68,060	Associate's degree
159	29-1171.00	29-1171	Nurse Practitioners	Healthcare Practitioners and Technical Occupations	\$81,840	\$94,560	Master's degree
160	31-1014.00	31-1014	Nursing Assistants	Healthcare Support Occupations	\$20,860	\$24,150	Certificate/Some college
161	29-9011.00	29-9011	Occupational Health and Safety Specialists	Healthcare Practitioners and Technical Occupations	\$47,450	\$69,560	Bachelor's degree
162	31-2011.00	31-2011	Occupational Therapist Assistants	Healthcare Support Occupations	\$46,710	\$56,820	Associate's degree
163	29-1122.00	29-1122	Occupational Therapists	Healthcare Practitioners and Technical Occupations	\$59,920	\$79,810	Master's degree
164	43-9199.00	43-9199	Office and Administrative Support Workers, All Other	Office and Administrative Support Occupations	\$24,170	\$34,220	High school diploma or equivalent
165	43-9061.00	43-9061	Office Clerks, General	Office and Administrative Support Occupations	\$20,080	\$28,590	High school diploma or equivalent
166	13-1199.06	13-1199	Online Merchants*	Business and Financial Operations Occupations	\$40,910	\$62,421	High school diploma or equivalent
167	47-2073.00	47-2073	Operating Engineers & Other Con. Equip. Op.	Construction and Extraction Occupations	\$35,980	\$48,860	High school diploma or equivalent
168	15-2031.00	15-2031	Operations Research Analysts	Computer and Mathematical Occupations	\$52,450	\$79,420	Bachelor's degree
169	29-2081.00	29-2081	Opticians, Dispensing	Healthcare Practitioners and Technical Occupations	\$26,480	\$36,350	High school diploma or equivalent
170	43-4151.00	43-4151	Order Clerks	Office and Administrative Support Occupations	\$21,580	\$30,830	High school diploma or equivalent
171	51-9111.00	51-9111	Packaging and Filling Machine Operators/Tenders	Production Occupations	\$21,130	\$29,900	High school diploma or equivalent
172	47-2141.00	47-2141	Painters, Construction and Maintenance	Construction and Extraction Occupations	\$24,480	\$37,210	Less Than High School
173	51-9122.00	51-9122	Painters, Transportation Equipment	Production Occupations	\$31,410	\$42,490	High school diploma or equivalent
174	23-2011.00	23-2011	Paralegals and Legal Assistants	Legal Occupations	\$30,280	\$43,450	Associate's degree
175	41-2022.00	41-2022	Parts Salespersons	Sales and Related Occupations	\$19,710	\$27,370	Less Than High School
176	43-3051.00	43-3051	Payroll and Timekeeping Clerks	Office and Administrative Support Occupations	\$29,390	\$39,810	High school diploma or equivalent
177	13-2052.00	13-2052	Personal Financial Advisors	Business and Financial Operations Occupations	\$44,600	\$79,640	Bachelor's degree
178	29-1051.00	29-1051	Pharmacists	Healthcare Practitioners and Technical Occupations	\$89,190	\$118,670	Doctoral or professional degree
179	31-9097.00	31-9097	Phlebotomists	Healthcare Support Occupations	\$25,470	\$30,260	Certificate/Some college
180	31-2021.00	31-2021	Physical Therapist Assistants	Healthcare Support Occupations	\$43,960	\$55,700	Associate's degree
181	29-1123.00	29-1123	Physical Therapists	Healthcare Practitioners and Technical Occupations	\$63,900	\$81,910	Doctoral or professional degree
182	29-1071.00	29-1071	Physician Assistants	Healthcare Practitioners and Technical Occupations	\$82,300	\$101,190	Master's degree
183	29-1069.00	29-1069	Physicians and Surgeons, All Other	Healthcare Practitioners and Technical Occupations	\$73,130	\$164,130	Doctoral or professional degree
184	47-2152.00	47-2152	Plumbers, Pipefitters, and Steamfitters	Construction and Extraction Occupations	\$34,340	\$51,780	High school diploma or equivalent
185	51-9199.00	51-9199	Production Workers, All Other	Production Occupations	\$20,690	\$31,460	High school diploma or equivalent
186	43-5061.00	43-5061	Production, Planning, and Expediting Clerks	Office and Administrative Support Occupations	\$30,310	\$44,240	High school diploma or equivalent
187	11-9141.00	11-9141	Property, Real Estate & Community Assn Mgrs	Management Occupations	\$30,590	\$48,920	High school diploma or equivalent
188	29-1066.00	29-1066	Psychiatrists	Healthcare Practitioners and Technical Occupations	\$119,580	\$119,580	Doctoral or professional degree
189	27-3031.00	27-3031	Public Relations Specialists	Arts, Design, Entertainment, Sports, and Media Occupations	\$34,450	\$49,520	Bachelor's degree
190	13-1023.00	13-1023	Purchasing Agents, ex. Whole., Retail, & Farm	Business and Financial Operations Occupations	\$42,850	\$61,070	Bachelor's degree
191	11-3061.00	11-3061	Purchasing Managers	Management Occupations	\$73,140	\$107,130	Bachelor's degree
192	19-4099.01	19-4099	Quality Control Analysts*	Life, Physical, and Social Science Occupations	\$31,930	\$46,170	Associate's degree
193	29-2034.00	29-2034	Radiologic Technologists	Healthcare Practitioners and Technical Occupations	\$41,140	\$53,120	Associate's degree
194	29-1141.00	29-1141	Registered Nurses	Healthcare Practitioners and Technical Occupations	\$50,820	\$61,280	Bachelor's degree
195	13-1041.07	13-1041	Regulatory Affairs Specialists*	Business and Financial Operations Occupations	\$37,990	\$56,470	Bachelor's degree
196	39-9041.00	39-9041	Residential Advisors	Personal Care & Services	\$22,490	\$29,220	High school diploma or equivalent
197	29-1126.00	29-1126	Respiratory Therapists	Healthcare Practitioners and Technical Occupations	\$43,200	\$53,900	Associate's degree
198	17-2199.08	17-2199	Robotics Engineers*	Architecture and Engineering Occupations	\$53,310	\$84,560	Bachelor's degree
199	41-9031.00	41-9031	Sales Engineers	Sales and Related Occupations	\$58,220	\$93,040	Bachelor's degree
200	11-2022.00	11-2022	Sales Managers	Management Occupations	\$69,960	\$111,860	Bachelor's degree

## In-Demand Occupations Report - 10/01/2017

Occupations with State Annual Earnings ≥ \$13.47 per hour, Annual Growth in Jobs ≥ the Area Average and/or Total Annual Job Openings ≥ the Area Average and JobsOhio Industry Cluster In-Demand Occupations and 2nd Tier Methodology for Forecasted Jobs.							
Projections							
Ref. #	Ext. SOC	SOC (Truncated)	Occupation Title- 236	Job Family	Starting Wage May 2015	Median Wage May 2015	Education Level <sup>1</sup>
201	41-4011.00	41-4011	Sales Rep., Wholesale & Mfg, Tech./Sci. Prod.	Sales and Related Occupations	\$41,240	\$68,370	Bachelor's degree
202	41-4012.00	41-4012	Sales Rep., Wholesale/Mfg, ex. Tech./Sci. Prod.	Sales and Related Occupations	\$33,340	\$55,220	High school diploma or equivalent
203	41-3099.00	41-3099	Sales Representatives, Services, All Other	Sales and Related Occupations	\$29,590	\$49,000	High school diploma or equivalent
204	15-1199.10	15-1199	Search Marketing Strategists*	Computer and Mathematical Occupations	\$47,040	\$78,240	Bachelor's degree
205	43-6014.00	43-6014	Secretaries, Except Legal, Medical, and Executive	Office and Administrative Support Occupations	\$23,220	\$32,620	High school diploma or equivalent
206	41-3031.00	41-3031	Securities/Commodities/Fin. Serv. Sales Agents	Sales and Related Occupations	\$32,560	\$59,990	Bachelor's degree
207	25-3021.00	25-3021	Self-Enrichment Education Teachers	Education, Training, and Library Occupations	\$19,940	\$29,000	High school diploma or equivalent
208	47-2211.00	47-2211	Sheet Metal Workers	Construction and Extraction Occupations	\$28,400	\$44,940	High school diploma or equivalent
209	43-5071.00	43-5071	Shipping, Receiving, and Traffic Clerks	Office and Administrative Support Occupations	\$22,280	\$30,190	High school diploma or equivalent
210	11-9151.00	11-9151	Social and Community Service Managers	Management Occupations	\$46,580	\$64,170	Bachelor's degree
211	21-1093.00	21-1093	Social and Human Service Assistants	Community and Social Service Occupations	\$20,600	\$29,070	High school diploma or equivalent
212	15-1132.00	15-1132	Software Developers, Applications	Computer and Mathematical Occupations	\$57,000	\$84,920	Bachelor's degree
213	15-1133.00	15-1133	Software Developers, Systems Software	Computer and Mathematical Occupations	\$66,370	\$92,570	Bachelor's degree
214	15-1199.01	15-1199	Software Quality Assurance Engineers and Testers*	Computer and Mathematical Occupations	\$47,040	\$78,240	Bachelor's degree
215	29-1127.00	29-1127	Speech-Language Pathologists	Healthcare Practitioners and Technical Occupations	\$50,270	\$71,840	Master's degree
216	15-2041.00	15-2041	Statisticians	Computer and Mathematical Occupations	\$49,480	\$79,690	Master's degree
217	47-2221.00	47-2221	Structural Iron and Steel Workers	Construction and Extraction Occupations	\$45,830	\$58,030	High school diploma or equivalent
218	21-1011.00	21-1011	Substance Abuse and Behavioral Disorder Counselors	Community and Social Service	\$30,770	\$40,890	Bachelor's degree
219	11-9199.04	11-9199	Supply Chain Managers*	Management Occupations	\$54,810	\$93,330	High school diploma or equivalent
220	29-2099.07	29-2099	Surgical Assistants*	Healthcare Practitioners and Technical Occupations	\$29,590	\$39,936	Certificate/Some College
221	29-2055.00	29-2055	Surgical Technologists	Healthcare Practitioners and Technical Occupations	\$31,740	\$40,520	Certificate/Some college
222	51-2092.00	51-2092	Team Assemblers	Production Occupations	\$22,220	\$32,330	High school diploma or equivalent
223	27-3042.00	27-3042	Technical Writers	Arts, Design, Entertainment, Sports, and Media Occupations	\$43,930	\$59,450	Bachelor's degree
224	49-2022.00	49-2022	Telecomm. Equip. Install/Repair, ex. Line Install	Installation, Maintenance, and Repair Occupations	\$32,820	\$51,688	Certificate/Some College
225	15-1143.01	15-1143	Telecommunications Engineering Specialists*	Computer and Mathematical Occupations	\$65,830	\$98,738	Bachelor's degree
226	51-4111.00	51-4111	Tool and Die Makers	Production Occupations	\$36,570	\$48,800	High school diploma or equivalent
227	13-1151.00	13-1151	Training and Development Specialists	Business and Financial Operations Occupations	\$37,110	\$55,570	Bachelor's degree
228	11-3071.01	11-3071	Transportation Managers*	Management Occupations	\$55,960	\$80,280	High school diploma or equivalent
229	53-3032.00	53-3032	Truck Drivers, Heavy and Tractor-Trailer	Transportation and Material Moving Occupations	\$30,570	\$40,860	Certificate/Some college
230	53-3033.00	53-3033	Truck Drivers, Light or Delivery Services	Transportation and Material Moving Occupations	\$19,510	\$28,230	High school diploma or equivalent
231	17-2199.02	17-2199	Validation Engineers*	Architecture and Engineering Occupations	\$53,310	\$84,560	Bachelor's degree
232	29-2056.00	29-2056	Veterinary Technologists and Technicians	Healthcare Practitioners and Technical Occupations	\$26,050	\$31,230	Associate's degree
233	51-8031.00	51-8031	Water/Liquid Waste Treatment Plant/System Op.	Production Occupations	\$31,580	\$45,120	High school diploma or equivalent
234	15-1134.00	15-1134	Web Developers	Computer and Mathematical Occupations	\$36,120	\$58,710	Associate's degree
235	51-4121.00	51-4121	Welders, Cutters, Solderers, and Brazers	Production Occupations	\$27,910	\$36,340	High school diploma or equivalent
236	13-1022.00	13-1022	Wholesale and Retail Buyers, Except Farm Products	Business and Financial Operations Occupations	\$38,610	\$54,060	Bachelor's degree



Occupations with Annual Earnings ≥ \$13.47 per hour, Job Growth Count ≥ the Area Average (50 jobs), And/Or Total Annual Openings ≥ the Area Average (230 jobs)

Regional jobs forecasted may not total to the state due to various statewide only forecasted data.

Data across all tables may not be comparable due to differences in reporting periods, data source and data compression and rounding

<sup>1</sup>Typical education level needed to enter the occupation, using the US Bureau of Labor Statistics (BLS) education and training classification system

<sup>2</sup>Typical on-the-job training needed to attain competency in the occupation ([https://www.bls.gov/emp/ep\\_nem\\_definitions.htm#education](https://www.bls.gov/emp/ep_nem_definitions.htm#education))

\*The openings and growth numbers for this occupation represent an occupational category that includes, but is larger than the specific occupational title listed