

ACT Industry Readiness Profile: Foundational Skills for Manufacturing Careers

Manufacturing Careers

The manufacturing industry comprises establishments that engaged in the mechanical, physical, or chemical transformation of materials, substances, or components into new products.

SOC Code	Occupation Title	2018 Employment	Median Applied Math	Median Graphic Literacy	Median Workplace Documents	2018 Mean Annual Wages
51-1011	First-line supervisors of production and operating workers	464,600	4	4	4	\$64,340
51-9061	Inspectors, testers, sorters, samplers, and weighers	356,400	3	4	4	\$42,010
53-7062	Laborers and freight, stock, and material movers, hand	335,800	3	4	3	\$30,890
51-4041	Machinists	321,900	4	4	4	\$45,250
51-9111	Packaging and filling machine operators and tenders	280,100	3	4	3	\$32,740
51-4121	Welders, cutters, solderers, and brazers	266,400	3	4	3	\$44,360
41-4012	Sales representatives, wholesale and manufacturing	241,600	5	4	5	\$69,480
11-1021	General and operations managers	217,700	5	5	5	\$123,880
51-9198	Helpers--production workers	208,000	3	3	3	\$29,380
43-5071	Shipping, receiving, and traffic clerks	202,500	3	4	4	\$34,980
49-9041	Industrial machinery mechanics	201,500	4	4	4	\$54,000
17-2112	Industrial engineers	201,200	5	6	6	\$91,630
49-9071	Maintenance and repair workers, general	194,000	4	4	4	\$41,020
51-4031	Cutting, punching, and press machine setters and operators	163,900	3	4	3	\$36,180
53-7051	Industrial truck and tractor operators	157,400	3	3	3	\$36,480
53-7064	Packers and packagers, hand	154,300	3	4	3	\$26,490
43-9061	Office clerks, general	153,600	3	4	4	\$35,200
51-4072	Molding, coremaking, and casting machine operators	152,600	3	4	3	\$33,950
17-2141	Mechanical engineers	151,700	6	6	6	\$92,800
43-4051	Customer service representatives	147,800	4	4	4	\$36,470
51-4011	Computer-controlled machine tool operators, metal and plastic	144,500	4	4	4	\$41,960
11-3051	Industrial production managers	142,000	4	4	4	\$113,370
53-3032	Heavy and tractor-trailer truck drivers	140,600	3	4	4	\$45,570
51-3092	Food batchmakers	133,500	3	4	3	\$32,090
51-3022	Meat, poultry, and fish cutters and trimmers	130,100	3	3	3	\$27,790
51-5112	Printing press operators	129,900	3	4	4	\$38,470
43-5061	Production, planning, and expediting clerks	118,300	4	4	4	\$50,020
51-4081	Multiple machine tool setters, operators, and tenders	114,900	3	4	4	\$37,510
51-6031	Sewing machine operators	112,200	3	3	3	\$26,990
51-9023	Mixing and blending machine setters, operators, and tenders	109,400	3	4	4	\$39,360

About the Data

US Wage and employment data are from the U.S. Bureau of Labor Statistics Employment Projections 2018-2028 and Occupational Employment Statistics, May 2018. Foundational skill levels are derived from ACT's job profile database which includes over 22,000 job analyses for occupations across a diverse array of industries and occupations. Foundational skill levels are presented for three WorkKeys® cognitive skills – Workplace Documents, Applied Math, and Graphic Literacy for selected groups of targeted occupations over the next 8-10 years. These three skills have been consistently identified as important for success in a broad range of jobs. Additional data for skill levels for other WorkKeys cognitive assessments can be found at:

http://profiles.keytrain.com/profile_search/.