

Table C. Manufacturing Career Cluster, Occupational Specialties and Related SOC/O*NET Occupations, Sequenced by Career Pathway and Occupational Specialty Code

Occupational Specialty		Related SOC/O*NET Occupation	
Code	Title	Code	Title
13.10000	Precision Metal Production Pathway		
13.10010	Welders	51-4121.01	Welders, Production
13.10010	Welders	51-4121.02	Welders and Cutters
13.10010	Welders	51-4121.03	Welder-Fitters
13.10010	Welders	51-4122.01	Welding Machine Setters and Set-Up Operators
13.10010	Welders	51-4122.02	Welding Machine Operators and Tenders
13.10020	Managers, Supervisors	11-3051.00	Industrial Production Managers
13.10020	Managers, Supervisors	51-1011.00	First-Line Supervisors/Managers of Production and Operating Workers
13.10030	Operators, Tenders, Cutters/Brazers, Soldering, Machine Operations	99-9999.00	To broad to classify to a specific O*NET occupation
13.10040	Foundry Workers	99-9999.00	To broad to classify to a specific O*NET occupation
13.10050	Sheet Metal Workers	47-2211.00	Sheet Metal Workers
13.10060	Inspectors	51-9061.00	Inspectors, Testers, Sorters, Samplers, and Weighers
13.10070	Tool and Die Makers	51-4111.00	Tool and Die Makers
13.10080	Machine tool Operators, Computer Aides, Machine Operators	99-9999.00	To broad to classify to a specific O*NET occupation
13.20000	Production Design, Operations, and Maintenance Pathway		
13.20010	Production Managers	11-3051.00	Industrial Production Managers
13.20020	Purchasing Agents	13-1023.00	Purchasing Agents, Except Wholesale, Retail, and Farm Products
13.20030	Engineers	17-2000.00	Engineers
13.20040	Automated Manufacturing Technicians	99.9999.00	No comparable O*NET Occupation
13.20050	Process Control Technicians	99.9999.00	No comparable O*NET Occupation
13.20060	Labor Relations Managers	11-3040.00	Human Resources Managers
13.20060	Labor Relations Managers	11-3041.00	Compensation and Benefits Managers
13.20060	Labor Relations Managers	11-3042.00	Training and Development Managers
13.20070	Industrial and Manufacturing Engineers	17-2112.00	Industrial Engineers
13.20070	Industrial and Manufacturing Engineers	17-2131.00	Materials Engineers
13.20070	Industrial and Manufacturing Engineers	17-2141.00	Mechanical Engineers

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13.20080	Plastics Production Workers, Extrusion Machine Operators	51-4021.00	Extruding & Drawing Machine Setters, Operators, & Tenders, Metal & Plastic
13.20080	Plastics Production Workers, Extrusion Machine Operators	51-4072.01	Plastic Molding and Casting Machine Setters and Set-Up Operators
13.20080	Plastics Production Workers, Extrusion Machine Operators	51-4072.02	Plastic Molding and Casting Machine Operators and Tenders
13.20090	Home Furnishings Production Workers	99-9999.00	To broad to classify to a specific O*NET occupation
13.20100	Clothing Production Workers, Supervisors, Inspectors	99-9999.00	To broad to classify to a specific O*NET occupation
13.20110	Boilermakers	47-2011.00	Boilermakers
13.20120	Millwrights	49-9044.00	Millwrights
13.20130	Industrial Maintenance Technicians	49-9041.00	Industrial Machinery Mechanics
13.20130	Industrial Maintenance Technicians	49-9042.00	Maintenance and Repair Workers, General
13.20130	Industrial Maintenance Technicians	49-9043.00	Maintenance Workers, Machinery
13.20140	Industrial Facilities	49-9042.00	Maintenance and Repair Workers, General
13.30000	Electromechanical Installation and Maintenance Pathway		
13.30010	Biomedical Equipment Technicians	49-9062.00	Medical Equipment Repairers
13.30020	Laser Systems Technicians	17-3029.00	Engineering Technicians, Except Drafters, All Other
13.30030	Computer Maintenance Technicians	49-2011.02	Data Processing Equipment Repairers
13.30040	Computer Installers/Repairers	49-2011.02	Data Processing Equipment Repairers
13.30050	Communication System Installers/Repairers	99-9999.00	To broad to classify to a specific O*NET occupation
13.30050	Communication System Installers/Repairers	49-2022.01	Central Office and PBX Installers and Repairers
13.30050	Communication System Installers/Repairers	49-2022.02	Frame Wirers, Central Office
13.30050	Communication System Installers/Repairers	49-2022.03	Communication Equipment Mechanics, Installers, and Repairers
13.30050	Communication System Installers/Repairers	49-2022.04	Telecommunications Facility Examiners
13.30050	Communication System Installers/Repairers	49-2022.05	Station Installers and Repairers, Telephone
13.30060	Industrial Electronic Installers/Repairers	49-2094.00	Electrical and Electronics Repairers, Commercial and Industrial Equipment
13.30070	Residential Electronics Installers/Repairers	49-2097.00	Electronic Home Entertainment Equipment Installers and Repairers
13.30080	Meter Installers/Repairers	49-9012.01	Electric Meter Installers and Repairers
13.30080	Meter Installers/Repairers	49-9012.03	Meter Mechanics

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13.30090	Security System Installers/Repairers	49-2098.00	Security and Fire Alarm Systems Installers
13.30100	Electrical Equipment Installers/Repairers	49-2094.00	Electrical and Electronics Repairers, Commercial and Industrial Equipment
13.30110	Utility Managers, Dispatchers	11-9199.00	Manager, All Other
13.30110	Utility Managers, Dispatchers	51-8012.00	Power Distributors and Dispatchers
13.30120	Power Generating and Reactor Plant Operators	51-8011.00	Nuclear Power Reactor Operators
13.30120	Power Generating and Reactor Plant Operators	51-8013.01	Power Generating Plant Operators, Except Auxiliary Equipment Operators
13.30130	Instrument Calibration and Repairers	49-9060.00	Precision Instrument and Equipment Repairers
13.30140	Instrument Control Technicians	17-3023.02	Calibration and Instrumentation Technicians
13.30150	Major Appliance Repairers	49-9031.00	Home Appliance Repairers
13.40000	Precision Technology Processes Pathway		
13.40010	Calibration Technicians	17-3023.02	Calibration and Instrumentation Technicians
13.40020	Instrument Makers	99-9999.00	To broad to classify to a specific O*NET occupation
13.40030	Pattern & Model Makers	51-4062.00	Patternmakers, Metal and Plastic
13.40030	Pattern & Model Makers	51-7032.00	Patternmakers, Wood
13.40030	Pattern & Model Makers	51-4061.00	Model Makers, Metal and Plastic
13.40040	Supervisors	51-1011.00	First-Line Supervisors/Managers of Production and Operating Workers
13.40050	Quality Control Technicians	17-3026.00	Industrial Engineering Technicians
13.40060	Medical Appliance Makers	51-9082.00	Medical Appliance Technicians
13.40070	Precision Optical Goods Workers	51-9083.01	Precision Lens Grinders and Polishers
13.40070	Precision Optical Goods Workers	51-9083.02	Optical Instrument Assemblers