



Construction Crafts / Manufacturing Job Descriptions



Job	Description
Carpenter	Carpenters construct, erect, install, and repair structures and fixtures made from wood and other materials.
Electrician	Electricians install electrical systems including wiring and other electrical components, such as circuit breaker panels, switches, and light fixtures.
Heavy Equipment Operator	Heavy equipment operators operate earthmoving and heavy equipment transport vehicles.
Heating, Ventilation, Air Conditioning (HVAC)	HVAC techs work on heating, ventilation, cooling and refrigeration systems that control the environmental conditions and air quality in buildings.
Industrial Maintenance Mechanic	Industrial maintenance mechanics perform key installation and maintenance functions including piping, tubing, fasteners, and metallurgy, following craft-specific drawings and utilizing hand and power tools specific to their trade.
Instrumentation	Instrumentation techs monitor atmospheric and environmental changes in industrial areas and buildings, installing, inspecting, testing and calibrating monitoring devices.
Insulation	Insulation installers fit various forms of insulation in the walls, ceilings and thermal bridges (such as metal cross beams) of homes and commercial buildings to improve their energy efficiency.
Manufacturing Specialist	Manufacturing specialists design, develop, test, and evaluate integrated systems for managing industrial production processes.
Mason	Masons build and work with structures using a variety of materials including stone, concrete and brick.
Mechanical Drafter	Mechanical drafters create detailed schematics that demonstrate how a particular machine should be assembled or how a mechanical system operates.
Millwright	Millwrights install, align, and troubleshoot machinery in factories, power plants and other industrial sites. They install conveyor systems, connect machinery to power supplies and piping, direct hoisting and setting of machines, and adjust the moving and stationary parts of machines to certain specifications.
Mobile Crane Operator	Mobile crane operators operate mobile cranes essential in building and maintaining bridges, highways, buildings, pipelines, and towers.
Painting	Painters apply paint, stain, and coatings to walls, buildings, bridges, and other structures.
Pipefitter	Pipefitters install and repair both high- and low-pressure pipe systems used in manufacturing, electricity generation and the heating and cooling of buildings.
Plumber	Plumbers install and repair the water, waste disposal, drainage and gas systems in homes and commercial and industrial buildings.
PTech	Process Technicians help design, control, operate, repair and proactively troubleshoot specialized production and safety systems.
Scaffolding	Scaffolders assemble and disassemble scaffolding platforms for building, painting, repairing and seating.
Sheet Metal Worker	Sheet Metal workers use sheet metal to build / fabricate roofs, rain gutters, siding and HVAC duct systems. They also help develop customized precision equipment, outdoor signs, handrails and other products made from metal.
Welder	Welders permanently join pieces of metal through welding processes, following blueprints and specifications; using manual or semi-automatic equipment to attach metals; operate flame-cutting, brazing, and soldering equipment; and using metal-shaping machinery.