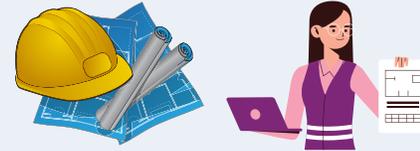


Contractors and Supervisors, Mechanic Trades



Mechanic Trade Supervisors and Contractors monitor activity and oversee operations for workers in mechanical servicing environments. They work with transportation and logistic technology, including airplanes, trains, automobiles, and heavy-duty equipment. Beyond mechanical knowledge in their specialty, they possess capabilities in human resource management, design, and business administration. These skills and knowledge find application in supervision of other environments within service work, manufacturing, and logistics.

Skills

Skills are developed through training and experience, and are the practical proficiencies someone possesses. The following are top key skills mechanic trade contractors and supervisors employ in their work:

1. Monitoring
2. Management of Personnel Resources
3. Time Management
4. Coordination
5. Speaking

Tasks

Tasks are the assigned duties that an occupational group performs in their daily work. The following are the tasks mechanic trade contractors and supervisors most regularly encounter:

1. Create construction or installation diagrams.
2. Plan layout of construction, installation, or repairs.
3. Train construction or extraction personnel.
4. Repair electrical equipment.
5. Update job related knowledge or skills.

Technical Knowledge

Technical Knowledge is the understanding of theory and utility of modern tools in a work environment. The following tools are used by mechanic trade contractors and supervisors regularly:

1. Enterprise resource planning software
2. Computer-aided design software
3. Industrial control software
4. Accounting software
5. Office suite software

Abilities

Abilities refer to the innate faculties that allow workers to carry out tasks and activities. The following are the top abilities that mechanic trade contractors and supervisors possess:

1. Problem Sensitivity
2. Near Vision
3. Inductive and Deductive Reasoning
4. Information Ordering
5. Finger Dexterity

Skills Transferability Matrix

FOCAL's Skills Transferability Matrices analyze the transferability of an occupation across a multitude of other occupations on the basis of similarities in **skills, technical knowledge, tasks, and abilities** as outlined by the O*Net database. It aims to show workers how to leverage their skill set in changing occupations, planning a career path, and transitioning to other industries. It also assists policy makers and educators address changing skill sets and areas of opportunity for workforce entrants in developing industries. Employers can also use this tool in reskilling or upskilling workers to circumvent skills shortages, and reduce the hiring and training challenges.

Contractors and Supervisors, Mechanic Trades					
Occupations	Skills	Technical Knowledge	Tasks	Abilities	Total
Utilities managers	78%	93%	26%	84%	70%
Contractors and supervisors, electrical and telecommunications occupations	92%	64%	19%	83%	65%
Contractors and supervisors, landscaping, grounds maintenance services	87%	71%	12%	85%	64%
Supervisors, logging and forestry	86%	71%	12%	85%	64%
Supervisors, other mechanical and metal products manufacturing	85%	64%	19%	83%	63%
Supervisors, supply chain, tracking and scheduling co-ordination occupations	77%	71%	20%	84%	63%
Contractors and supervisors, pipefitting trades	83%	57%	17%	87%	61%
Supervisors, railway transport operations	79%	79%	6%	79%	61%
Mechanical engineering technologists and technicians	78%	64%	12%	84%	59%
Contractors and supervisors, heavy equipment operator crews	80%	64%	0%	87%	58%
Manufacturing managers	76%	64%	0%	87%	57%
Heavy-duty equipment mechanics	66%	79%	0%	83%	57%
Tool and die makers	60%	79%	0%	83%	55%
Electrical and electronics engineering technologists and technicians	73%	71%	0%	74%	54%
Machinists and machining and tooling inspectors	68%	36%	6%	82%	48%

After scanning over 2,600 skills, technical competencies, tasks, and abilities of each of the 500 occupations as defined by the National Occupational Classification (NOC) system, a skills transferability matrix for mechanic trade contractors and supervisors is produced. In the matrix above, a high score is highlighted in green and indicates the high potential transferability of an attribute of an occupation with that of mechanic trade contractors and supervisors. Lower or no transferability areas are marked in red. Mechanic trade contractors and supervisors possess moderate transferability to other supervision and contracting roles, ranging from manufacturing and landscape servicing to telecommunication and resource extraction. Some transferability is also observed in supply chain and scheduling supervision, a departure from roles in trades and manufacturing supervision. Highest transferability is observed in the upward direction, with utilities management being the closest related to mechanic trade supervision. Transferability is observed with technologist and technician roles in engineering, but much education and training will be required to transfer into these roles.

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