

MAJOR GROUP 7

PLANT AND MACHINE OPERATORS, AND DRIVERS

PLANT AND MACHINE OPERATORS, AND DRIVERS operate vehicles and other large equipment to transport passengers and goods, to move materials, to generate power, and to perform various agricultural and manufacturing functions. These tasks require some judgement and are performed under limited supervision.

Occupations in this major group require no formal education or experience but usually require 3-24 months on-the-job training. They often require specially endorsed licences.

Tasks performed by Plant and Machine Operators, and Drivers typically include setting up, controlling and monitoring stationary equipment either directly or by remote control; driving road and rail transport vehicles to scheduled destinations; driving mobile plant to worksites and controlling its operation; cleaning their own machinery and performing minor repairs; and maintaining production records.

Occupations in this major group are classified into the following minor groups:

- 71 ROAD AND RAIL TRANSPORT DRIVERS**
- 72 MOBILE PLANT OPERATORS (EXCEPT TRANSPORT)**
- 73 STATIONARY PLANT OPERATORS**
- 74 MACHINE OPERATORS**

MINOR GROUP 71 ROAD AND RAIL TRANSPORT DRIVERS

ROAD AND RAIL TRANSPORT DRIVERS operate trains, buses, cars, vans, trucks and motorcycles to transport passengers and goods.

Occupations in this minor group have a level of skill commensurate with 1-4 months on-the-job training. They often require specially endorsed licences.

Tasks performed by Road and Rail Transport Drivers typically include manipulating vehicle controls to determine direction and speed; monitoring gauges and vehicle condition generally; observing road conditions, traffic and signals; loading and unloading freight, luggage and mail or assisting with these functions; and assisting or directing passengers into and out of vehicle.

This minor group includes Courier Drivers, because they deliver goods; and Underground Locomotive Drivers, because they specialise in driving locomotives to transport people, equipment and ore, often over long distances.

Postmen/women and other messengers are excluded from this minor group because they are primarily concerned with the delivery of mail and messages rather than goods. They are located in Unit Group 5603, Messengers and Delivery Officers. Underground Truck Operators are excluded as they operate specialised underground trucks to move ore over short distances as an integral part of the mining operation, and often operate other mining plant as well. They are located in Unit Group 7201, Excavating and Earthmoving Plant Operators. Fire truck drivers, test drivers and racing car drivers are excluded as they drive motor vehicles for purposes other than transport. Fire truck drivers are located in Unit Group 7211, Fire Fighters, test drivers in Unit Group 7299, Other Mobile Plant Operators (Except Transport), and racing drivers in Unit Group 3915, Sportspersons and Related Workers. Vendors who drive vans or trucks are excluded because their primary task is selling. They are located in Unit Group 6301, Sales Assistants.

Occupations in this minor group are classified into the following unit groups:

- 7101 BUS AND TRAM DRIVERS**
- 7103 AUTOMOBILE DRIVERS**
- 7105 TRUCK DRIVERS**
- 7107 LOCOMOTIVE DRIVERS**

7101 BUS AND TRAM DRIVERS

BUS AND TRAM DRIVERS operate motor powered buses or electric powered tram cars to transport passengers over established or special routes.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-3 months on-the-job training is usual. An appropriate licence is required.

TASKS include:

- operating vehicle by manipulating levers and pedals to control power and brakes
- starting, driving and stopping the vehicle
- opening and shutting doors to allow passengers to board or alight at stops
- complying with traffic regulations and rules
- changing controls and power supply pole at terminus to enable tram to be driven from other end

OCCUPATIONS

- 7101-11 Bus Driver**
Coach Captain (s)

7101-13 Tram Driver

7103 AUTOMOBILE DRIVERS

AUTOMOBILE DRIVERS are employed to drive vehicles to transport passengers for a salary or a fee pre-determined and pre-paid, or determined by taximeter, in accordance with transport regulations.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-2 weeks on-the-job training is usual. An appropriate licence is required.

TASKS include:

- picking up passengers at appointed venues, or stopping when hailed, and driving to designated destination
- communicating with radio control centre to receive booking details and to report on location and availability

GROUP DEFINITIONS

PLANT AND MACHINE OPERATORS, AND DRIVERS

- assisting passengers with handling and storage of luggage
- collecting and distributing parcels and mail or acting as courier
- cleaning, servicing, maintaining and repairing vehicles

COMMENTS

Taxi drivers may be self-employed.

OCCUPATIONS

- 7103-11 Automobile Driver**
Chauffeur/Chauffeuse (s)
Hire Car Driver (s)
Taxi Driver (s)

7105 TRUCK DRIVERS

TRUCK DRIVERS drive delivery and furniture removal vans and trucks to transport goods and materials.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-3 months on-the-job training is usual. An appropriate licence is required.

TASKS include:

- manoeuvring vehicles to load or unload goods
- loading and unloading vehicle
- stowing and securing loads
- driving vehicle to destination
- reporting and acting on vehicle maintenance needs
- maintaining logbook detailing vehicle movements
- verifying loading documents at pick up point, obtaining certification of delivery and checking condition of goods

OCCUPATIONS

- 7105-11 Delivery Driver**
Van Driver (a)
Courier Driver (s)
Taxi Truck Driver (s)
- 7105-13 Heavy Truck Driver**
Concrete Mixer Driver (s)

- Haul Truck Driver (s)
Log Hauler (s)
Road Train Driver (s)
Semi-Trailer Driver (s)
Stock Transport Driver (s)
Tanker Driver (s)
Tow Truck Driver (s)

- 7105-15 Furniture Removalist-Driver**

7107 LOCOMOTIVE DRIVERS

LOCOMOTIVE DRIVERS drive railway engines or self propelled rolling stock as part of a railway system. They may supervise, or receive training in, occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 3-5 years previous experience. 2-4 months on-the-job training is usual.

TASKS include:

- checking locomotive to ensure safety of engine prior to use
- observing gauges, indications and signals prior to commencement of journey
- monitoring indicator gauges of engine throughout the journey
- observing signal directions and track
- driving locomotive, stopping at stations for passengers or freight
- reporting irregularities in engine or rolling stock

OCCUPATIONS

- 7107-01 Supervisor, Locomotive Drivers**
- 7107-11 Locomotive Driver**
Locomotive Engineman/woman (a)
Rail Car Driver (s)
Train Driver (s)
Underground Locomotive Driver (s)
- 7107-91 Trainee Locomotive Driver**
Assistant Locomotive Driver (s)
Locomotive Observer (s)
Railway Fireman/woman (s)

MINOR GROUP 72 MOBILE PLANT OPERATORS (EXCEPT TRANSPORT)

MOBILE PLANT OPERATORS (EXCEPT TRANSPORT) operate mechanical plant whose mobility is essential to its function, for a variety of purposes other than the transportation of goods or passengers.

Occupations in this minor group have a level of skill commensurate with 3-24 months on-the-job training. They often require special licences.

Tasks performed by Mobile Plant Operators (except Transport) typically include driving plant to worksite; selecting and fitting attachments; driving or manoeuvring plant on site; manipulating controls to operate attachments, including pumps on fire engines, mechanically, hydraulically or electrically so as to pick up or deposit material, and servicing and maintaining plant.

This minor group includes Underground Truck Operators, because they operate specialised underground trucks to move ore short distances underground as an integral part of the mining operation, and often operate other mining plant as well; Fire Fighters who drive motor vehicles, because these vehicles are primarily concerned with fire fighting rather than transport; and Fork Lift and Related Drivers, because they move heavy or awkward loads over very short distances.

Underground Locomotive Drivers are excluded from this minor group because they specialise in driving locomotives to transport people, equipment and ore, often over large distances. They are located in Unit Group 7107, Locomotive Drivers. Drilling Rig Operators are excluded because, although drilling rigs are portable, their mobility is not essential to their function. They are located in Unit Group 7317, Drilling Plant Operators. Crane Operators who operate mobile cranes are excluded because they cannot reliably be distinguished in statistical collections from stationary Crane Operators. They are located in Unit Group 7311, Crane Operators.

The occupations in this minor group are classified into the following unit groups:

- 7201 EXCAVATING AND EARTHMOVING PLANT OPERATORS**
- 7203 FORKLIFT AND RELATED DRIVERS**
- 7205 LOGGING PLANT OPERATORS**
- 7207 PAVING AND SURFACING PLANT OPERATORS**
- 7209 AGRICULTURAL PLANT OPERATORS**
- 7211 FIRE FIGHTERS**
- 7299 OTHER MOBILE PLANT OPERATORS (EXCEPT TRANSPORT)**

7201 EXCAVATING AND EARTHMOVING PLANT OPERATORS

EXCAVATING AND EARTHMOVING PLANT OPERATORS operate machinery used to excavate soil, ore and rock, break up pavement, road, rock and obstructions, move and load earth, rock and debris and level, smooth and compact surfaces, in construction, mining, forestry and other projects. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 1-4 years previous experience in a related labouring area. On-the-job training varies widely from 1 month to 2 years.

TASKS include:

- operating plant and selecting and operating attachments (winch, tree faller, loading scoop, bucket, bucket chain or wheel, drill, rock breaking hammers, and blades with or without teeth)

- raising, lowering and manipulating attachments using manual or electrical controls
- driving and manoeuvring plant within surveyors' pegs or working from drawings, markers or verbal instructions
- monitoring operation of equipment and ensuring safety of other workers particularly within mines or on mining sites
- servicing, lubricating, cleaning and refuelling equipment, performing minor repairs
- communicating with other operators for on-site co-ordination

OCCUPATIONS

- 7201-01 Supervisor, Excavating and Earthmoving Plant Operators**
Dragline Supervisor (s)
Pit Supervisor (s)
Shift Boss (Mining) (s)
- 7201-11 Bulldozer Operator**

GROUP DEFINITIONS

- 7201-13 Scrapper Operator (Earthmoving)**
- 7201-15 Back-hoe Operator**
- 7201-17 Trench-digging Machine Operator**
- 7201-19 Loader Operator (Earthmoving)**
Bobcat Operator (s)
Front-end Loader Operator (s)
- 7201-21 Open Cut Mining Plant Operator**
Bucketwheel Excavator Operator (s)
Dragline Operator (s)
Mining Shovel Operator (s)
- 7201-23 Underground Plant Operator**
Continuous Mining Machine Operator (s)
Development Machine Miner (s)
Longwall Miner Operator (s)
Mechanical Bogger Operator (s)
Underground Truck Operator (s)
- 7201-25 Dredge Operator**
- 7201-27 Grader Operator**
- 7201-29 Excavator Operator**
Hydraulic Rock Breaker Operator (s)
- 7201-91 Trainee Excavating and Earthmoving Plant Operator**
Dragline Oiler (s)
Shovel Greaser (s)
Shovel Oiler (s)

7203 FORKLIFT AND RELATED DRIVERS

FORKLIFT AND RELATED DRIVERS operate motorised trucks equipped with either hydraulic fork lift or platform, or elevated frame with levers, to move crates, palletised goods, cartons, bales, timber, shipping containers and other heavy, large or unwieldy loads.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-4 months on-the-job training is usual. An appropriate licence is required.

TASKS include:

- operating controls of fork lift to align truck and raise or lower fork to stack or unstack articles
- positioning load against heel of forks to maintain stability of load and truck
- driving loaded truck to required position
- driving straddle carrier to position straddle frame and mechanism above load
- operating controls to move levers to grasp load, raise it and drive to delivery point
- servicing machinery, repairing minor faults and reporting mechanical problems to supervisor

OCCUPATIONS

- 7203-11 Forklift Driver**
Reach Truck Driver (s)
Turret Truck Driver (s)
- 7203-13 Straddle Carrier Operator**

STRUCTURE AND GROUP DEFINITIONS

PLANT AND MACHINE OPERATORS, AND DRIVERS

7205 LOGGING PLANT OPERATORS

LOGGING PLANT OPERATORS operate machines to fell trees, cut them into logs, and load or transport logs onto trucks.

SKILL LEVEL

The entry requirement for this unit group is 1 year of previous experience. 3-6 months on-the-job training is usual. A driver's licence and licence to operate specialised machinery is required.

TASKS include:

- positioning plant, blades, crane boom, grapple and other equipment
- operating machinery to hold, sever and lift trees
- operating attachments to lift, swing, release or sort trees or logs for size
- feeding felled trees into processors for delimiting and cutting into logs
- transporting logs to loading areas and pushing into bundles
- loading logs onto stock pile or into truck
- servicing machinery and performing minor repairs

OCCUPATIONS

- 7205-11 Logging Plant Operator**
Forwarder Operator (s)
Skidder Operator (s)
Tree Feller Operator (s)

RELATED OCCUPATIONS

- 8203 Forestry Labourers

7207 PAVING AND SURFACING PLANT OPERATORS

PAVING AND SURFACING PLANT OPERATORS operate machines to spread and level hot bituminous paving materials or lay concrete on highways, streets and parking areas. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-6 months on-the-job training is usual. An appropriate licence is required for some equipment.

TASKS include:

- signalling driver to position vehicle for dumping load
- regulating temperature of material flowing from hopper
- driving machine along specified path observing distribution of paving material and operating controls to maintain specified paving thickness
- operating controls to advance spreader
- adjusting screed to desired paving width
- operating road roller to smooth and compact surface
- cleaning, servicing and maintaining machinery

OCCUPATIONS

- 7207-01 Supervisor, Paving and Surfacing Plant**

Operators

- 7207-11 Paving Plant Operator
- 7207-13 Road Roller Operator
Compactor Operator (a)

7209 AGRICULTURAL PLANT OPERATORS

AGRICULTURAL PLANT OPERATORS operate tractor-drawn or self-propelled machinery to clear and cultivate land, sow and harvest plants in an agricultural or amenity horticultural operation.

SKILL LEVEL

The entry requirement for this unit group is 6-12 months previous experience. 1-6 months on-the-job training is usual. A driver's licence is required.

TASKS include:

- driving or transporting machines to work site
- attaching implements or equipment to tractor
- operating tractor-drawn or self-propelled machinery to plough land, fertilise, plant, cultivate, spray or harvest crops
- performing gardening duties with specialised machinery such as rotary hoes and auto scythes
- adjusting speed, height or depth of machinery or attached implements
- servicing and repairing machinery

OCCUPATIONS

- 7209-11 Farm Machinery Operator
Cotton Picking Machine Operator (s)
Farm Tractor Driver (s)
Harvester Operator (s)
- 7209-13 Amenity Horticulture Machine Operator
Auto Scythe Operator (s)
Rotary Hoe Operator (s)

7211 FIRE FIGHTERS

FIRE FIGHTERS control or extinguish fires and protect life and property threatened by fires or accidents, and participate in and co-ordinate fire prevention activities. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit

group although 3 months - 2 years on-the-job training is usual.

TASKS include:

- operating pumps and spraying water, foam or chemicals from hose or extinguisher to put out fires or to disperse or neutralise dangerous substances
- developing fire-fighting and rescue techniques to combat specific hazards
- co-ordinating training of volunteers and instructing in fire-prevention, fire-fighting, rescue and use of breathing apparatus
- driving fire truck or other vehicle to scene of fire or emergency
- rescuing people from dangerous or inaccessible places using ladders or elevating platforms
- administering first aid and artificial respiration
- organising operations of a fire brigade
- investigating fire hazards and taking or co-ordinating necessary fire prevention action

OCCUPATIONS

- 7211-01 Supervisor, Fire Fighters
- 7211-11 Fire Fighter
Fire Engineer (Army) (s)
Fire Prevention Officer (s)

7299 OTHER MOBILE PLANT OPERATORS (EXCEPT TRANSPORT)

This unit group covers occupations not elsewhere classified in Minor Group 72, Mobile Plant Operators (Except Transport).

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-12 months on-the-job training is usual. An appropriate licence is required for some equipment.

OCCUPATIONS

- 7299-11 Railway Track Repair Machine Operator
- 7299-99 Mobile Plant Operators nec
Cable Ferry Operator (s)
Military Aircraft Handler (s)
Recovery Mechanic (Army) (s)
Road Linemarkers (s)
Road Sweeper Operator (s)
Specialist Vehicles Operator (Army) (s)

MINOR GROUP 73 STATIONARY PLANT OPERATORS

STATIONARY PLANT OPERATORS operate large and complex mechanical equipment which is often fully or partly automated (including large or multi-stage manufacturing equipment), at a fixed location.

Occupations in this minor group have a level of skill commensurate with 3-24 months on-the-job training. They often require special licences.

Tasks performed by Stationary Plant Operators typically include controlling supply of power or fuel, and quantity and mix of materials to be processed or handled; starting plant; visually monitoring operation of plant, directly or by referring to instruments, to ensure safe operation and satisfactory level of throughput; manipulating controls of plant to move materials, transfer materials between process phases, or control electricity distribution; and monitoring condition of plant, reporting major problems and repairing minor defects.

This minor group includes operators of small furnaces and kilns because they perform similar tasks to the operators of large ones, and cannot reliably be distinguished from them in statistical collections. Crane Operators, who may operate both stationary and mobile cranes, are included in this minor group.

Plastics, Rubber, Chemical and similar Production Machine Operators are excluded from this minor group as they operate separate machines which perform discrete single manufacturing operations rather than integrated manufacturing plant. They are included in Minor Group 74, Machine Operators.

Occupations in this minor group are classified into the following unit groups:

- 7301 POWER GENERATION PLANT OPERATORS**
- 7303 ENGINE AND BOILER OPERATORS (EXCEPT POWER GENERATION)**
- 7305 CHEMICAL PLANT OPERATORS**
- 7307 PETROLEUM AND GAS PLANT OPERATORS**
- 7309 BULK MATERIALS HANDLING PLANT OPERATORS**
- 7311 CRANE OPERATORS**
- 7313 HOIST, WINCH AND LIFT OPERATORS**
- 7315 FURNACE AND KILN OPERATORS**
- 7317 DRILLING PLANT OPERATORS**
- 7399 OTHER STATIONARY PLANT OPERATORS**

7301 POWER GENERATION PLANT OPERATORS

POWER GENERATION PLANT OPERATORS operate equipment for the generation, distribution and transmission of electric power. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is a basic or post-trade certificate and previous experience of 5 years. On-the-job training of 5 years is usual.

TASKS include:

- controlling the flow of fuel to generating equipment
- opening and closing power switches to control the distribution of electricity over feeder circuits between generating station and sub-stations and to transfer load between circuits
- shutting down boiler or turbine to decrease power output

- observing instruments and switchboard to monitor the operation of generator and turbine, and the transmission of electricity
- recording details of equipment performance, instrument readings and switching operations
- cleaning and lubricating components and equipment

OCCUPATIONS

- 7301-01 Supervisor, Power Generation Plant Operators**
- 7301-11 Power Generation Plant Operator**
Hydro-electric Station Operator (s)
Power Generation Turbine Room Operator (s)

7303 ENGINE AND BOILER OPERATORS (EXCEPT POWER GENERATION)

ENGINE AND BOILER OPERATORS (EXCEPT POWER GENERATION) operate various types of stationary engines (including marine engines) and associated mechanical equipment.

SKILL LEVEL

There is no formal entry requirement for this unit group, although Stationary Engine and Boiler Operator requires a 3-6 months basic certificate. 1-4 years on-the-job training is usual.

TASKS include:

- setting valves, levers and switches to control the output of engines, boilers, refrigeration systems, air conditioning systems and associated mechanical equipment
- observing instrument readings to ensure efficient operation of engines and machinery and to detect malfunctions
- lubricating moving parts and replenishing oil and grease
- cleaning machinery, gauges and instruments
- recording instrument readings, hours of operation, fuel consumption and power output

OCCUPATIONS

7303-11 Stationary Engine and Boiler Operator
 Air-Conditioning Plant Operator (s)
 Boiler Attendant (s)
 Motorman/woman (Fluids Drilling) (s)
 Refrigeration Plant Operator (s)
 Sugar Mill Engine Driver (s)

7303-13 Marine Engine and Boiler Operator
 Marine Greaser (s)

RELATED OCCUPATIONS

3307-11 Marine Engineer

7305 CHEMICAL PLANT OPERATORS

CHEMICAL PLANT OPERATORS operate equipment used in the production of chemicals. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 3 years previous experience as an assistant.

TASKS include:

- controlling the preparation and measuring of raw material
- controlling the feeding of raw material and processing agents into the plant
- setting controls and operating machinery to initiate and regulate chemical processes
- checking instruments and equipment to ensure proper operation
- taking samples for testing
- recording process data

OCCUPATIONS

7305-01 Supervisor, Chemical Plant Operators
 Supervisor, Chemical Pilot Plant Operators (s)

7305-11 Chemical Plant Operator
 Distiller (Chemicals) (s)
 Fermentation Operator (Chemicals) (s)
 Industrial Gas Production Operator (s)
 Paint Maker (s)
 Pharmaceutical Plant Operator (s)
 Pilot Plant Operator (s)

7305-91 Trainee Chemical Plant Operator

RELATED OCCUPATIONS

1399-11 Engineering Manager
 3103-13 Chemistry Technician

7307 PETROLEUM AND GAS PLANT OPERATORS

PETROLEUM AND GAS PLANT OPERATORS operate equipment to process oil and gas, to distribute refined products, to pump treatment agents into well holes and to test well pipes. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-24 months on-the-job training is usual.

TASKS include:

- setting and monitoring operating controls on equipment
- transferring oil and gas from well to refinery, within the refinery and from the refinery to the terminal by operating pumping equipment
- operating processing equipment to refine natural gas, manufacture refined petroleum products, and blend petroleum base stocks
- pumping treatment agents into well to stimulate oil and gas flow, seal rock formations or plug disused wells
- testing well pipes for leaks and fractures and taking samples of oil and gas from wells
- recording details of operations, production, quantities transferred and test data

OCCUPATIONS

7307-01 Supervisor, Petroleum and Gas Plant Operators
 Supervisor, Oil and Gas Well Treatment Operators (s)
 Supervisor, Oil, Gas and Pipe Testing Operators (s)

7307-11 Petroleum and Gas Refining and Pumping Operator
 Gas Compressor Turbine Operator (s)
 Grease Manufacturing Plant Operator (s)
 Petroleum Blending Plant Operator (s)
 Petroleum Process Unit Operator (s)
 Petroleum Shipping Plant Operator (s)

7307-13 Oil and Gas Well Treatment Operator
 Oil Well Cementer (s)
 Well Treatment Blender Operator (s)
 Well Treatment Pump Operator (s)

7307-15 Oil, Gas and Pipe Tester
 Oil and Gas Production Testing Operator (s)
 Torque-turn Computer Operator (s)

7309 BULK MATERIALS HANDLING PLANT OPERATORS

BULK MATERIALS HANDLING PLANT OPERATORS operate equipment to load, unload, move or store bulk materials. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 1-12 months previous experience. 1-3 months on-the-job training is usual. State government licences may be required to operate some types of equipment.

TASKS include:

- starting and stopping equipment
- monitoring equipment visually, through gauges and instruments, or through computerised equipment
- operating equipment to stockpile bulk materials, move bulk materials, liquids and fluidised solids, load and unload bulk materials from railway cars and ships
- communicating with other operators to co-ordinate actions
- inspecting controls and equipment to identify wear and damage
- reporting shift operations, level of productivity and breakdowns

OCCUPATIONS

- 7309-01 Supervisor, Bulk Materials Handling Plant Operators**
 Supervisor, Fluids Loading and Unloading Plant Operators (s)
- 7309-11 Bulk Materials Handling Plant Operator**
 Bucketwheel Reclaimer Operator (s)
 Bulk Fluids Handler (s)
 Car Dumper Operator (s)
 Conveyor Belt Operator (s)
 Grain Handler (s)
 Ore Stacker Operator (s)
 Tank Farm Operator (s)
 Train Loader Operator (s)

7311 CRANE OPERATORS

CRANE OPERATORS operate stationary or mobile cranes to lift, move and lower objects. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 2-4 months on-the-job training is usual. State governments issue licences.

TASKS include:

- operating controls to rotate crane, move crane on fixed rails, raise and lower boom, and raise and lower hook
- communicating with rigger to position hook and to raise, move and place loads
- checking instruments
- inspecting equipment for malfunctions or wear
- lubricating ropes and winches on crane and replacing worn cables

OCCUPATIONS

7311-01 Supervisor, Crane Operators

7311-11 Crane Operator
 Cherry Picker Operator (s)
 Portainer Operator (s)

RELATED OCCUPATIONS

- 8405-13 Rigger (Construction)
 8499-13 Crane Chaser

7313 HOIST, WINCH AND LIFT OPERATORS

HOIST, WINCH AND LIFT OPERATORS operate hoists, winches or lifts to move materials, equipment or people. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-36 months on-the-job training is usual. State governments issue licences and learner's permits for some classes of equipment.

TASKS include:

- operating controls to raise or lower hoist or lift containing materials, equipment or people
- operating winch to raise, lower or wind in object
- testing equipment before use to ensure safety
- controlling movement of load directly or by signalling to other operators
- monitoring operation of hoist, winch or lift and instruments to detect malfunctions and problems

OCCUPATIONS

- 7313-01 Supervisor, Hoist, Winch and Lift Operators**
- 7313-11 Hoist, Winch and Lift Operator**
 Braceman/woman (s)
 Mine Cage Attendant (s)
 Skipman/woman (s)
 Winding Engine Driver (s)

RELATED OCCUPATIONS

7311 Crane Operators

7315 FURNACE AND KILN OPERATORS

FURNACE AND KILN OPERATORS operate furnaces, quenching plants, kilns or ovens to smelt, refine or treat metals, fire ceramics, dry and season wood products and timber, or burn waste. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 1-2 years previous experience as a factory hand or assistant. 1-12 months on-the-job training is usual. Heat Treatment Furnace Operators require a 2 year basic certificate.

TASKS include:

- controlling the introduction of materials to be melted, treated, fired, dried or burned into the furnace, kiln or oven
- preparing materials to be added to molten metal

and preparing quenching media for the heat treatment of metals

- operating cooling and quenching equipment to treat metal
- tapping furnaces and feeding molten metal into moulds, crucibles or other processing plant
- removing product and waste from furnace, kiln or oven

OCCUPATIONS

7315-01 Supervisor, Furnace and Kiln Operators
 Supervisor, Blast Furnace Operators (s)
 Supervisor, Roasting Plant Operators (s)
 Supervisor, Smelting Plant Operators (s)

7315-11 Metals Furnace Operator
 Smelting Furnace Operator (a)
 Basic Oxygen Steelmaking Furnace Operator (s)
 Blast Furnace Operator (s)
 Cupelman/woman (s)
 Kettleman/woman (s)
 Open Hearth Furnace Operator (s)
 Pot Operator (Aluminium) (s)

7315-13 Heat Treatment Furnace Operator
 Annealer (s)
 Case Hardener (s)
 Hardener (s)
 Soaking Pit Furnace Operator (s)
 Tempered (s)

7315-15 Kiln Operator
 Clay Products Kiln Operator (s)
 Ore Roaster Operator (s)
 Pellet Plant Operator (s)
 Timber Kiln Operator (s)

7315-17 Incinerator Plant Operator
 Crematorium Plant Operator (s)

7317 DRILLING PLANT OPERATORS

DRILLING PLANT OPERATORS operate drilling rigs and related equipment to bore wells, shot holes and pilot holes. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 1-2 years previous experience as driller's offsider or mining labourer. 6 months on-the-job training is usual.

TASKS include:

- moving drilling rig and equipment from site to site
- setting up rig, positioning drilling equipment and connecting power cables and water and air hoses
- operating drilling rig, starting and stopping drill and changing drill bits
- retrieving broken equipment from holes
- directing offsiders and labourers assisting drilling operations
- recording details of operation, performance of well and information obtained by drilling

OCCUPATIONS

7317-01 Supervisor, Drilling Plant Operators
 Master Driller (a)
 Toolpusher (a)
 Directional Driller (s)

7317-11 Drilling Plant Operator
 Air Track Operator (s)
 Coal Seam Drill Operator (s)
 Diamond Driller (s)
 Fishing Tool Operator (s)
 Jumbo Drill Operator (s)
 Long Hole Drill Operator (s)
 Power Tong Operator (s)
 Raise Drill Operator (s)
 Reeled Tubing Operator (s)
 Rock Drill Operator (s)
 Rotary Drill Operator (s)
 Service Rig Operator (s)
 Shaft Sinker (s)
 Snubbing Unit Operator (s)
 Water Well Driller (s)
 Winze Sinker (s)

RELATED OCCUPATIONS

1305 Production Managers
 8415-11 Mining Labourer

7399 OTHER STATIONARY PLANT OPERATORS

This unit group covers occupations not elsewhere classified in Minor Group 73, Stationary Plant Operators.

OCCUPATIONS

7399-01 Supervisor, Other Stationary Plant Operators

7399-11 Mineral Ore Treating Plant Operator
 Coal Preparation Plant Operator (s)
 Flotation Operator (s)
 Ore and Stone Crusher Operator (s)
 Ore Separator Operator (s)
 Ore Treating Solution Operator (s)
 Surface Hydraulic Fill Operator (s)
 Wash Plant Operator (s)

7399-13 Metal Rolling Mill Operator
 Metal Roller (a)
 Rolling Mill Assistant (s)

7399-15 Paper Pulp Preparation Plant Operator

7399-17 Wood Chipping and Particleboard Plant Operator
 Hardboard Plant Operator (s)
 Hardboard Press Operator (s)
 Oil Tempering Operator (s)

7399-19 Railway Switching and Signalling Operator
 Railway Shunter (s)
 Railway Yard Assistant (s)

7399-21 Timber Treatment Plant Operator

7399-23 Concrete Pump Operator

7399-25 Insulation Maker
 Insulation Cupola Operator (s)

7399-27 Cement Production Plant Operator

7399-29 Water Supply and Treatment Plant Operator
 Irrigation Supervisor (s)
 Lock Master (Water Transport) (s)
 Sewage Plant Operator (s)

7399-31 Electrolytic Cell Operator
 Electrolytic Refiner (a)

7399-33 Carbon Plant Worker
 Anode Press Operator (s)

GROUP DEFINITIONS

PLANT AND MACHINE OPERATORS, AND DRIVERS

Rodding Press Operator (s)

7399-35 Concrete Batching Plant Operator
Premix Concrete Batchers (s)

7399-99 Stationary Plant Operators nec
Clay Crusher Operator (s)
Distiller (Beverages) (s)
Lighthouse Keeper (s)
Oilseed Processing Operator (s)
Weighbridge Operator (s)

RELATED OCCUPATIONS

7105 Truck Drivers
7107 Locomotive Drivers
7401-11 Rolling Mill Assistant
7415 Paper and Paper Products Machine
Operators
8403-11 Concrete Worker

MINOR GROUP 74 MACHINE OPERATORS

MACHINE OPERATORS operate discrete items of stationary mechanical processing equipment performing a single function, typically a single stage of a manufacturing process.

Occupations in this minor group have a level of skill commensurate with 3-12 months on-the-job training.

Tasks performed by Machine Operators typically include affixing attachments, setting controls, loading material to be processed and preparing surfaces prior to operation; starting machine, observing operation and adjusting controls to regulate temperature, pressure, blend of ingredients and speed of operation; cleaning and lubricating machinery and repairing minor defects; sampling output and checking quality; unloading and storing output; and maintaining production records.

Chemical, Petroleum and Gas Plant Operators are excluded from this minor group because they produce chemical, petroleum and gas products through a number of processes. They are located in Unit Groups 7305 and 7307. Data Processing and Business Machine Operators are excluded because they do not operate mechanical processing equipment, but electronic equipment, and deal with data rather than material input. They are located in Minor Group 52, Data Processing and Business Machine Operators. Tradespersons who operate machines are excluded because they perform tasks of greater range and complexity, requiring the application of a body of practical knowledge. They are located in Major Group 4, Tradespersons.

Occupations in this minor group are classified into the following unit groups:

- 7401 BASIC METAL PRODUCTS MACHINE OPERATORS**
- 7403 METAL PRESS OPERATORS**
- 7405 OTHER METAL PRODUCTS MACHINE OPERATORS**
- 7407 PLASTICS PRODUCTION MACHINE OPERATORS**
- 7409 RUBBER PRODUCTION MACHINE OPERATORS**
- 7411 CHEMICAL PRODUCTION MACHINE OPERATORS**
- 7413 WOOD PROCESSING MACHINE OPERATORS**
- 7415 PAPER AND PAPER PRODUCTS MACHINE OPERATORS**
- 7417 GLASS PRODUCTION MACHINE OPERATORS**
- 7419 CLAY AND STONE PROCESSING MACHINE OPERATORS**
- 7421 YARN PRODUCTION MACHINE OPERATORS**
- 7423 HIDE AND SKIN PROCESSING MACHINE OPERATORS**
- 7425 FABRIC PRODUCTION MACHINE OPERATORS**
- 7427 TEXTILE SEWING MACHINISTS**
- 7429 SHOEMAKING MACHINE OPERATORS**
- 7431 FOOD PROCESSING MACHINE OPERATORS**
- 7433 PACKAGING MACHINE OPERATORS**
- 7435 PHOTOGRAPHIC PRODUCTS MACHINE OPERATORS**
- 7499 OTHER MACHINE OPERATORS**

7401 BASIC METAL PRODUCTS MACHINE OPERATORS

BASIC METAL PRODUCTS MACHINE OPERATORS operate machines which produce a variety of basic metal products such as coils, moulds or cores for casting, wire and rods. They may supervise occupations in this unit group. (Metal Press Operators are excluded from this unit group.)

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-12 months on-the-job training is usual.

TASKS include:

- affixing attachments to machine
- selecting computer programs, setting control panel,

GROUP DEFINITIONS

PLANT AND MACHINE OPERATORS, AND DRIVERS

lubricating mould or loading feed mechanism prior to operation

- threading strip or coil into coiling mechanism, feeding wire or cable into dies for drawing
- packing sand around pattern contours prior to operation of machine which consolidates sand to form mould
- lifting mould from pattern
- operating equipment to release ladle stopper to pour molten metal into moulds, observing level and operating stopper lever when mould is full
- operating controls to regulate temperature, pressure, speed or flow of operation
- repairing or replacing defective parts, repairing breaks in wire or cracks in moulds

OCCUPATIONS

7401-01 Supervisor, Basic Metal Products Machine Operators

7401-11 Machine Moulder

7401-13 Casting Machine and Ladle Operator
Ladleman/woman (Metals) (s)
Metal Pourer (s)
Teemer (Iron and Steel) (s)

7401-15 Wire Drawing Machine Operator

7401-17 Metal Extrusion Press Operator

7403 METAL PRESS OPERATORS

METAL PRESS OPERATORS operate machinery to shape and form metal stock and components or form products such as rods, bars, seamless tubing and structural shapes.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-12 months on-the-job training is usual.

TASKS include:

- securing workpiece on working surface or setting up press with appropriate dies prior to operation
- loading stock or other items into feeding mechanism
- operating controls which activate stamping or pressing mechanism or hydraulic ram which forces metal through dies
- operating controls to regulate temperature, pressure and speed of operation
- monitoring operation, removing processed items, lubricating dies and reloading machine
- examining products, recording and reporting defects

OCCUPATIONS

7403-11 Metal Press Operator

7405 OTHER METAL PRODUCTS MACHINE OPERATORS

OTHER METAL PRODUCTS MACHINE OPERATORS operate machines which produce and finish metal

products other than those covered elsewhere in minor group 74, Machine Operators.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-6 months on-the-job training is usual.

TASKS include:

- setting up and checking the functioning of the machine prior to operation
- loading stock or other items into feeding mechanism
- cleaning and smoothing metal surfaces by grit blasting, applying bond coating to help adherence of metal or ceramic spray-coat
- spraying molten metal or ceramic onto metal products
- monitoring operations such as bending, dressing/grinding, galvanising, stretching, spring production or spray-coating
- examining product for defects or uniform thickness, recording and reporting defects

OCCUPATIONS

7405-11 Other Metal Products Machine Operators
Forging Machine Operator (s)
Key Cutter (s)
Knife Sharpener (s)
Metal Dresser and Grinder (s)
Metal Sprayer (s)
Plasma Sprayer (s)
Springmaking Machine Operator (s)
Thermal Sprayer (s)

7407 PLASTICS PRODUCTION MACHINE OPERATORS

PLASTICS PRODUCTION MACHINE OPERATORS operate machines which manufacture and finish a variety of plastic products by extruding, moulding, mixing, drawing, embossing, laminating and other processes. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-12 months on-the-job training is usual.

TASKS include:

- affixing, assembling or installing attachments
- spraying moulds with gelcoat, setting controls and checking the functioning of the machine prior to operation
- loading materials, items or ingredients for mixing into machine or feeding mechanism
- threading wire or cable (to be coated in plastic) through machine, extrusion dies and cooling chamber and fastening it to take-up reel
- operating controls which activate hydraulic ram to emboss, laminate or draw sheet through die
- operating mixing or pouring machinery
- operating controls to regulate temperature, pressure, speed and flow of operation
- monitoring operation, and regulating material supply or adding chemicals and colourants to mixture

- spraying fibre reinforced plastic onto mould or product
- examining products for defects, performing minor repairs and maintaining production records
- trimming flash

OCCUPATIONS

- 7407-01 Supervisor, Plastics Production Machine Operators**
- 7407-11 Plastics Production Machine Setter**
Cellular Plastics Machine Setter (s)
Plastics Extruding Machine Setter (s)
Plastics Moulding Machine Setter (s)
Thermoforming Machine Setter (s)
- 7407-13 Plastics Extruding Machine Operator**
- 7407-15 Plastics Moulding Machine Operator**
Blow Moulding Machine Operator (s)
Compression Moulding Machine Operator (s)
Injection Moulding Machine Operator (s)
Rotational Moulding Machine Operator (s)
Thermoforming Machine Operator (s)
- 7407-17 Cellular Plastics Machine Operator**
Plastics Foam Machine Operator (s)
- 7407-19 Plastics Sheet Press Operator**
- 7407-21 Plastics Blending Machine Operator**
Powder Hand (Plastics) (s)
- 7407-23 Gun Hand (Plastics)**
- 7407-25 Sheathing Extruder**
Wire Sheather (s)

7409 RUBBER PRODUCTION MACHINE OPERATORS

RUBBER PRODUCTION MACHINE OPERATORS operate machines and perform ancillary tasks to manufacture rubber products such as tyres and reinforced hose. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-6 months on-the-job training is usual.

TASKS include:

- affixing attachments to machine
- setting controls and checking functioning of machine prior to operation
- loading stock
- marking out patterns from blue-prints and cutting sheets
- cleaning and smoothing non-rubber surfaces by sandblasting
- threading hose, cord or wire into knitting machine and monitoring operation to ensure uniform tension
- operating controls to regulate temperature, pressure and speed of grinding or production
- monitoring operation and controlling curing process
- removing wrinkles and compressed air in rolling operations
- trimming flash
- measuring product dimensions with special instruments

- weighing product
- examining products for defects, and performing minor repairs
- maintaining production records

OCCUPATIONS

- 7409-01 Supervisor, Rubber Production Machine Operators**
- 7409-11 Tyre Production Machine Operator**
Tyre Builder (s)
Tyre Retreader (s)
- 7409-99 Rubber Production Machine Operators nec**
Rubber Knitting Machine Operator (s)
Rubber Roll Builder (s)
Rubber Roller Grinder Operator (s)

7411 CHEMICAL PRODUCTION MACHINE OPERATORS

CHEMICAL PRODUCTION MACHINE OPERATORS operate a variety of machinery and equipment to produce pharmaceuticals, toiletries, explosives and other chemical products. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 2-6 months on-the-job training is usual.

TASKS include:

- weighing and measuring chemical and other ingredients prior to operation
- pouring or pumping chemical or other ingredients including chemical agents or binding liquids into machinery
- operating and monitoring machines that mix, mill, grind, compress, coat, fill, seal and mould ingredients
- operating controls to regulate temperature, pressure, flow and speed of operation
- cleaning and disinfecting machinery
- inspecting and testing products for defects

OCCUPATIONS

- 7411-01 Supervisor, Chemical Production Machine Operators**
Supervisor, Explosives Production Machine Operators (s)
Supervisor, Pharmaceuticals and Toiletries Production Machine Operators (s)
- 7411-11 Pharmaceuticals and Toiletries Production Machine Operator**
Granulator Machine Operator (s)
Soap Maker (s)
Suture Maker (s)
Tablet Making Machine Operator (s)
Toiletries Moulder and Compressor (s)
- 7411-13 Explosives Production Machine Operator**
Bullet Maker (s)
Explosives Mixer Operator (s)
Fuse Maker (s)
Nitrocellulose Maker (s)
- 7411-99 Chemical Production Machine Operators nec**
Candle Maker (s)

7413 WOOD PROCESSING MACHINE OPERATORSMachine Stress Grader Operator (s)
Sawmill Moulder Operator (s)

WOOD PROCESSING MACHINE OPERATORS operate a variety of sawing and other machines to make logs or cut them into poles or timber pieces; and operate machinery such as rollers and presses to make plywood, particleboard, solid laminate or similar timber products. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is a 6-12 months vocational certificate or at least 12 months experience in a related area (i.e. Plywood Factory Hand, Sawmill Labourer etc). 3-12 months on-the-job training is usual.

TASKS include:

- setting controls, guides, saws, knives and pressure bars prior to operation
- operating controls to regulate temperature, pressure, and speed of operation
- monitoring operation, resetting guides, replacing defective timber for re-processing, cleaning glue from press plate, clearing blockages in hoppers or other feeding mechanisms, replacing saw blades or selecting different blades
- measuring with special instruments to ensure that product is of specified dimensions
- examining products for defects, performing repairs and maintaining production records
- grading wood and veneer

OCCUPATIONS

- 7413-01 Supervisor, Wood Processing Machine Operators**
Supervisor, Plywood Making Machine Operators (s)
Supervisor, Saw Operators (s)
- 7413-11 Head Sawyer**
Breakdown Sawyer (a)
- 7413-13 Resawyer**
Cant Gang Sawyer (s)
Edgerman/woman (s)
Ripsaw Operator (s)
Trim Saw Operator (s)
- 7413-15 Dockerman/woman**
Log Preparer (s)
Sawmill Docker (s)
- 7413-17 Timber Stock Cutter**
Wood Trimmer (s)
- 7413-19 Veneer Production Machine Operator**
Veneer Clipper (s)
Veneer Guillotine Operator (s)
Veneer Lathe and Slicer Operator (s)
Veneer Splicing Machine Operator (s)
Veneer Trimmer Operator (s)
- 7413-21 Plywood Production Machine Operator**
Plywood and Veneer Repairer (s)
Plywood Centre Feeder (s)
Plywood Centre Layer (s)
- 7413-23 Wood Laminating Press Operator**
Particleboard Laminator Operator (s)
- 7413-99 Wood Processing Machine Operators nec**
Debarker Operator (s)
Drop-Sorter Operator (s)
Hogger Operator (s)
Leverman/woman (s)

7415 PAPER AND PAPER PRODUCTS MACHINE OPERATORS

PAPER AND PAPER PRODUCTS MACHINE OPERATORS operate wet and dry end papermaking machines and construct forms for use in cutting and creasing paperboard. They may supervise occupations in this unit group.

SKILL LEVEL

Entry requirement for this unit group is 1-2 years previous experience as a factory hand or printing machine assistant. 3-12 months on-the-job training is usual.

TASKS include:

- positioning roll of paper on machine reel and threading paper around rollers
- checking auxiliary equipment
- filling machinery with liquid stock prior to operation
- operating controls to regulate temperature, flow, pressure and speed of operation
- monitoring operation, smoothing wrinkles, observing flow of white water and pulp stock, and replenishing stock
- cutting and bending metal strips to form setting creases and cutting knives
- assembling block sections and metal strips to make forme and fitting forme in metal frame
- examining products for defects

OCCUPATIONS

- 7415-01 Supervisor, Paper and Paper Products Machine Operators**
- 7415-11 Wet End Papermaking Machine Operator**
Fourdrinier Machine Operator (s)
Inverform Machine Operator (s)
Paperboard Machine Operator (s)
- 7415-13 Dry End Papermaking Machine Operator**
Paper Rewinder Operator (s)
Supercalender Operator (Papermaking) (s)
- 7415-15 Paper Products Machine Operator**
Carton Cutting and Crease Forme Setter (s)
Carton Making Machine Operator (s)

7417 GLASS PRODUCTION MACHINE OPERATORS

GLASS PRODUCTION MACHINE OPERATORS set up and operate machines which make and process glass to form bottles, jars, drinking glasses and other such products. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3-12 months on-the-job training is usual.

TASKS include:

- affixing, assembling or installing attachments
- setting up machines, installing moulds and components using hand tools
- weighing and adding ingredients prior to operation
- adjusting duct orifices to control size of molten gob
- adjusting valves, turntable, timing of plunger in glass-pressing machine and thermostatic controls to regulate temperature, pressure speed and flow of operation
- monitoring operations, spraying and swabbing moulds
- operating controls to control annealing time of formed glassware
- setting attachments for, and controlling ejection of, sub-standard products
- examining products for defects
- measuring samples with special instruments to check conformity to specifications
- cleaning and repairing machinery

OCCUPATIONS

- 7417-01 Supervisor, Glass Production Machine Operators**
Supervisor, Glass Furnace Operators (s)
- 7417-11 Glass Production Machine Operator**
Glass Furnace Operator (s)
Glass Laminating Operator (s)
Glass Maker (s)
Glass Melt Operator (s)
Glass Toughening Operator (s)

7419 CLAY AND STONE PROCESSING MACHINE OPERATORS

CLAY AND STONE PROCESSING MACHINE OPERATORS operate machines which manufacture and finish a variety of clay and stone products by extruding, moulding, mixing, grinding, cutting and other processes. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 2-6 months on-the-job training is usual.

TASKS include:

- measuring and adding ingredients
- selecting machine components for installation by Fitters or installing smaller components
- positioning item on machine and setting grinding or cutting edge in position prior to operation
- checking machine and feeder functions
- operating controls to regulate temperature, pressure, flow and speed of operation
- shaping or cutting clay rotating on machines, using special tools
- controlling filling of moulds, finishing exposed surfaces
- removing stone from machine for further processing
- clearing blockages
- examining products for defects
- measuring samples with special instruments to

check conformity to specifications

- unloading and stacking products (i.e. tiles, porcelain, pipes)
- cleaning and repairing machinery

OCCUPATIONS

- 7419-01 Supervisor, Clay and Stone Processing Machine Operators**
Supervisor, Concrete Products Machine Operators (s)
Supervisor, Fibre Cement Machine Operators (s)
- 7419-11 Concrete Products Machine Operator**
Concrete Pipe Machine Operator (s)
Concrete Pre-cast Moulder (s)
- 7419-13 Clay Products Machine Operator**
Clay, Brick and Tile Machine Operator (s)
- 7419-15 Stone Processing Machine Operator**
Stonemasonry Machinist (a)
Stone Polisher (s)
Stone Sawyer (s)
- 7419-17 Porcelain Turner**
- 7419-19 Plasterboard Maker**
Fibrous Plaster Maker (s)
- 7419-21 Fibre-Cement Machine Operator**
Fibre-Cement Moulder (s)
- 7419-99 Clay and Stone Processing Machine Operators nec**
Abrasive Wheel Maker (s)
Brake Lining Maker (s)

RELATED OCCUPATIONS

- 4925-13 Potter

7421 YARN PRODUCTION MACHINE OPERATORS

YARN PRODUCTION MACHINE OPERATORS operate machines which clean, compress and bale cotton and wool and card and spin yarn. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-4 months on-the-job training is usual.

TASKS include:

- positioning supply packages at feed end of the machine
- threading slivers or yarn through rollers or guides
- pinching or twisting ends to entwine with ends of preceding material prior to operation
- setting and operating controls to regulate speed, flow, air suction and/or temperature of operation
- monitoring operation, observing effectiveness of chemical washing and other treatments
- replenishing supply packages, repairing breaks in yarn, replacing spools and tending air suction tube
- removing lint from machine using brush and air hose
- weighing bales and taking samples for classing
- maintaining production records
- cleaning and lubricating equipment

GROUP DEFINITIONS

PLANT AND MACHINE OPERATORS, AND DRIVERS

OCCUPATIONS

- 7421-01 Supervisor, Yarn Production Machine Operators**
Supervisor, Cotton Ginning Machine Operators (s)
- 7421-11 Yarn Carding and Spinning Machine Operator**
Gill Box Operator (s)
Yarn Comber (s)
Yarn Drawing Machine Operator (s)
Yarn Texture Machine Operator (s)
- 7421-13 Cotton Ginner**
Cotton Ginning Bookman/woman (s)
- 7421-15 Wool Scouring Operator**

7423 HIDE AND SKIN PROCESSING MACHINE OPERATORS

HIDE AND SKIN PROCESSING MACHINE OPERATORS operate a variety of wet or dry area tanning, fellmongering or leather finishing machines. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 12 months experience as a Hide and Skin Processing Labourer. 1-2 months on-the-job training is usual.

TASKS include:

- preparing for operation by setting up machines, selecting and installing attachments or components for specialised functions
- mixing and adding dyes or chemicals
- loading hides or skins into feeder mechanism and feeding leather into rollers or presses
- operating controls to regulate processing time, temperature and conditions of operation
- checking moisture content of leather
- correcting misfeeds and clearing blockages
- installing different plates or rollers to attain desired imprints
- examining final products, measuring dimensions with special instruments
- maintaining production records
- cleaning work area and equipment

OCCUPATIONS

- 7423-01 Supervisor, Hide and Skin Processing Machine Operators**
- 7423-11 Hide and Skin Processing Machine Operator**
Fellmongering Machine Operator (s)
Hide and Skin Fleshing Machine Operator (s)
Leather Drying Operator (s)
Leather Finishing Machine Operator (s)
Leather Measuring Operator (s)
Leather Printing Operator (s)
Leather Splitting and Shaving Machine Operator (s)
Sammying Machine Operator (s)
Staking Machine Operator (s)
Tanning Machine Operator (s)
Woolpulling Machine Operator (s)

7425 FABRIC PRODUCTION MACHINE OPERATORS

FABRIC PRODUCTION MACHINE OPERATORS operate machines which prepare yarn and textile fibres for fabric production, weave and knit fabric, garments, carpets and rugs, finish and repair textile products. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-6 months on-the-job training is usual. 1-2 years experience as a textile machine operator is required for Textile Products Mender.

TASKS include:

- installing attachments to machines
- mounting spools, reels, rolls or bobbins prior to operation
- preparing chemical solutions or dyes
- threading yarn through tension springs, guides, needles or reeds, slotting yarn through loom beams
- positioning packages of feed stock
- starting machine and monitoring operation to detect faults
- operating controls to regulate temperature, pressure, flow and treatment times for bleaching, dyeing, mercerising, shrinking, waterproofing, napping and texturing operations
- repairing breaks in yarn or faults in weave or knitting, replenishing feed packages and reels
- repairing textile products using mending gun, fringing machine or other equipment
- maintaining production records

OCCUPATIONS

- 7425-01 Supervisor, Fabric Production Machine Operators**
- 7425-11 Warp Machine Operator**
Beamer (a)
Warp Beamer (a)
Drawer-in (s)
Textile Dresser (s)
Textile Slasher (s)
Tier-in (s)
Warp Sizer (s)
- 7425-13 Weaver**
Carpet Weaver (s)
- 7425-15 Textile Knitting Machine Operator**
- 7425-17 Textile Dyeing and Finishing Machine Operator**
Bleaching Machine Operator (s)
Fabric Dyer (s)
Garment Dyer (s)
- 7425-19 Rope and Cord Making Machine Operator**
- 7425-21 Textile Products Mender**
- 7425-99 Fabric Production Machine Operators nec**
Fabric Bonding Machine Operator (s)
Feltmaker (s)
Needle Loom Operator (s)
Tufting Machine Operator (s)

7427 TEXTILE SEWING MACHINISTS

TEXTILE SEWING MACHINISTS operate a variety of industrial sewing machines to sew and finish garments, curtains and soft furnishings. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 3 months on-the-job training is usual. 12 months as a Textile Sewing Machinist (Single Needle) is required before becoming a Textile Sewing Machinist (Multi Needle).

TASKS include:

- selecting thread and drawing thread through guides, tensioners and needle eye and positioning materials to be sewn under pressure foot prior to operation
- affixing attachments to machine
- starting, stopping and controlling speed of machine with pedal(s) or knee levers
- guiding material or parts under the needle
- inspecting stitching for defects
- cutting excess material or thread from items manually or with machine blade
- notifying repair mechanic of machine malfunctions

OCCUPATIONS

- 7427-01 Supervisor, Textile Sewing Machinists**
- 7427-11 Textile Sewing Machinist (Single Needle)**
Buttonhole Machinist (s)
Garment Finishing Operator (s)
Overlocker (s)
- 7427-13 Textile Sewing Machinist (Multi Needle)**
Blindstitcher (s)
Glove Sewer (s)
Hemstitching Machine Operator (s)
Pocket Welt Machine Operator (s)

7429 SHOEMAKING MACHINE OPERATORS

SHOEMAKING MACHINE OPERATORS operate a variety of machines to fabricate footwear.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 1-2 months on-the-job training is usual.

TASKS include:

- position material or item in machine, affixing attachments, setting dies, drawing thread through guides, slots and needles prior to operation
- operating controls
- monitoring operation, guiding parts under cutter or needle manually or using controls
- trimming edges of shoe parts, assembling and cementing shoe parts
- checking piece or finished item for defects
- stacking in bundles according to size, shape and quality

OCCUPATIONS

- 7429-11 Shoemaking Machine Operator**

- Shoemaking Cementer (a)
- Heel Builder (s)
- Inker Machine Operator (Shoemaking) (s)
- Shoemaking Finisher (s)
- Shoemaking Table Hand (s)

RELATED OCCUPATIONS

- 4915 Shoemaking and Repairing Tradespersons
- 7407 Plastics Production Machine Operators

7431 FOOD PROCESSING MACHINE OPERATORS

FOOD PROCESSING MACHINE OPERATORS operate machines which process a variety of foods and beverages in a multiplicity of ways. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 1-3 years previous experience as a factory hand in a food-related area. 2 months to 1 year on-the-job training is usual.

TASKS include:

- assembling and affixing attachments
- cleaning and sanitising equipment, pumps, hoses, storage tanks and vessels
- assembling flow lines
- transferring liquid stock, weighing, measuring and adding ingredients prior to operation
- loading feeder mechanism and starting machine
- operating controls to regulate temperature, pressure, flow and treatment time
- clearing blockages
- changing die to produce different shapes
- transferring stock progressively for different processes or stages
- collecting samples for analysis at various stages of the production process
- regulating discharge of contents of machine to storage or packaging machines
- maintaining production records

OCCUPATIONS

- 7431-01 Supervisor, Food Processing Machine Operators**
- 7431-11 Grain and Cereal Processing Machine Operator**
Breakfast Cereal Maker (s)
Food Processing Extruder Operator (s)
Maltster (s)
Pasta Maker (s)
Screensman/woman (s)
Smutterman/woman (s)
Stockfeed Milling Machine Operator (s)
Topman/woman (s)
- 7431-13 Sugar Processing Machine Operator**
Centrifuge Operator (Sugar Processing) (s)
Evaporator Boiler (Sugar Processing) (s)
Sugar Boiler and Pan Operator (s)
Sugar Cane Crusher Operator (s)
Sugar Dryer Operator (s)
Sugar Melthouse Attendant (s)
- 7431-15 Soft Drink and Syrup Making Machine Operator (except Dairy)**
Fruit and Vegetable Juicer Operator (s)

GROUP DEFINITIONS

- Soft Drink Mixer (s)
Syrup Blender (s)
- 7431-17 Alcoholic Beverage Machine Operator**
Brewery Cellar Worker (s)
Brewhouse Operator (s)
Spirit Blender (s)
Winery Cellarhand (s)
- 7431-19 Meat and Fish Processing Machine Operator**
Casings Worker (s)
Defeatherer and Eviscerator Operator (s)
Fish Plant and Machinery Operator (s)
Fish Smokehouse Operator (s)
Meat By-Products Machine Operator (s)
Meat Mincer Operator (s)
Meat Pickler (s)
Meat Smokehouse Operator (s)
Poultry Saws Operator (s)
Smallgoods Machine Operator (s)
- 7431-21 Milk Treatment Machine Operator**
Custard Maker (s)
Dried Milk Products Maker (s)
Yogurt Maker (s)
- 7431-23 Margarine Maker**
Margarine Blender (a)
- 7431-25 Ice-Cream Maker**
Gelato Maker (s)
Ice Confection Maker (s)
- 7431-27 Food Factory Cook**
Fish Cooker (s)
Food Processing Autoclave Operator (s)
Food Processing Retort Operator (s)
Fruit Conserve and Sauce Maker (s)
- 7431-99 Food Processing Machine Operators nec**
Food Size-grading Operator (s)
Frozen Food Machine Operator (s)
Fruit and Vegetable Dehydrator (s)
Fruit and Vegetable Peeling Machine Operator (s)
Pet Food Processing Machine Operator (s)
Vegemite Maker (s)
Yeast Maker (s)

RELATED OCCUPATIONS

- 7433 Packaging Machine Operators

7433 PACKAGING MACHINE OPERATORS

PACKAGING MACHINE OPERATORS operate machines which fill and seal various containers. They may supervise occupations in this unit group.

SKILL LEVEL

The entry requirement for this unit group is 1-2 years previous experience as a factory hand in a food-related area. 1-2 months on-the-job training is usual.

TASKS include:

- checking cleanliness of machines and containers and testing machine functioning prior to operation
- feeding products into hoppers and filling devices
- holding container in machine and operating controls to fill, seal and label
- maintaining supply of product (including liquid) and containers
- clearing blockages

PLANT AND MACHINE OPERATORS, AND DRIVERS

- operating controls to regulate rate of supply, flow and temperature of glue for cartons and temperature of continuous cooker for canning
- taking samples for quality control of both product and seal and to check date stamping
- cleaning work area and machinery
- maintaining production records

OCCUPATIONS

7433-01 Supervisor, Packaging Machine Operators

7433-11 Liquids Filler Bottling Machine Operator (s)

7433-99 Packaging Machine Operators nec Baling and Compression Machine Operator (s) Can Filler and Closer (s) Depalletiser Operator (s) Food Packaging Machine Operator (s) Machine Labeller (s) Palletiser Operator (s) Sack and Bag Filler (s) Shrink Wrap Operator (s) Strapping Machine Attendant (s)

7435 PHOTOGRAPHIC PRODUCTS MACHINE OPERATORS

PHOTOGRAPHIC PRODUCTS MACHINE OPERATORS operate machines which cut and package photographic film and paper, develop film or print photographs. They may supervise occupations in this unit group.

SKILL LEVEL

There is no specific entry requirement for this unit group, although 2 months on-the-job training is usual.

TASKS include:

- sorting cartridges
- removing exposed film from cartridges and loading feed spools in darkroom
- checking packaging supply
- adjusting machine setting
- preparing and adding chemical solutions
- starting machine
- inspecting negatives and adjusting machine to alter number, size and type of prints
- replenishing supply of chemicals, paper and water for developing processes or packages or cartridges for packaging
- transferring film for immersion in different solutions where operation is not fully automated
- inspecting prints for defects
- mounting transparencies in frames
- labelling film or paper on cartridge or package

OCCUPATIONS

7435-01 Supervisor, Photographic Products Machine Operators Supervisor, Photographic Developers and Printers (s) Supervisor, Photographic Film Manufacturing Operators (s)

7435-11 Photographic Developer and Printer Copy Camera Operator (s)

Dark Room Attendant (s)
 Microfiche Reproduction Operator (s)
 Negative Producer and Cutter (s)
 Photographic Enlarger Operator (s)
 Photographic Laboratory Assistant (s)
 Print Finisher (s)
 Slide Developer (s)

7435-13 Photographic Film Manufacturing Operator
 Film Cutter (s)
 Film Spooler (s)
 Photographic Paper Cutter (s)
 Silver Recovery Operator (s)

RELATED OCCUPATIONS

3999-25 Photograph Retoucher.

7499 OTHER MACHINE OPERATORS

This unit group covers occupations not elsewhere classified in Minor Group 74, Machine Operators.

OCCUPATIONS

7499-01 Supervisor, Other Machine Operators

7499-11 Tobacco Technical Operator

7499-13 Tobacco Machine Attendant
 Cigarette Making Machine Operator (s)
 Tobacco Dryer Attendant (s)

7499-15 Dry Cleaning Machine Operator

7499-17 Laundry Machine Operator
 Folding Machine Operator (s)

7499-19 Military Weapons Operator
 Airfield Defence Guard (s)
 Armoured Fighting Vehicle Crewman (s)
 Armoured Fighting Vehicle Driver (s)
 Assault Trooper (s)
 Fire Controller (Navy) (s)
 Gun Number (s)
 Infantryman (s)
 Mortarman (s)
 Quartermaster Gunner (s)
 Rifleman (s)

7499-21 Printing Bindery Assistant

7499-23 Printing Table Hand

7499-99 Machine Operators nec
 Brushmaker (s)
 Pressurised Container Filler (s)
 Sandblaster (s)