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 **Latest release**

Sub-major Group

37 Building Structural Trades Workers

OSCA - Occupation Standard Classification for Australia

Reference period: 2024, Version 1.0

Released 6/12/2024

37 Building Structural Trades Workers

Construct, repair and erect buildings and other structures of brick, stone, concrete and timber.

OSCA skill level

The occupations in this sub-major group have a skill level corresponding to the qualifications and experience below.

- Skill Level 3: AQF Certificate III including at least two years of on-the-job training, AQF Certificate IV, or at least three years of relevant experience

Minor Group

371 Bricklayers, Stonemasons and Concreters

Lay, cut and shape building blocks and masonry slabs to construct and repair structures, and pour, spread, smooth, finish and reinforce concrete.

OSCA skill level

The occupations in this minor group have a skill level corresponding to the qualifications and experience below.

- Skill Level 3: AQF Certificate III including at least two years of on-the-job training, AQF Certificate IV, or at least three years of relevant experience

Unit Group

3711 Bricklayers and Stonemasons

Lay, cut and shape bricks and other blocks and masonry slabs to construct and repair walls and other structures.

OSCA skill level

The occupations in this unit group have a skill level corresponding to the qualifications and experience below.

- Skill Level 3: AQF Certificate III including at least two years of on-the-job training, AQF Certificate IV, or at least three years of relevant experience

Occupation

371131 Bricklayer

Lays bricks, pre-cut stone and other types of building blocks in mortar to construct and repair walls, partitions, arches, segmental paving and other structures.

Registration or licensing may be required.

Alternative title

- Blocklayer

Specialisations

- Brick Paver
- Refractory Bricklayer

Skill level: 3

Main tasks

- Studies plans and specifications to determine materials required, dimensions and installation procedures
- Erects and dismantles restricted height scaffolding
- Seals foundations with damp-resistant materials and spreads layers of mortar to serve as base and binder for building blocks
- Cuts building blocks using machines and hand tools, and shapes blocks to fit irregular spaces
- Sets out blockwork and lays building blocks in rows, designs and shapes
- Embeds building blocks in mortar ensuring construction is level, plumb and aligned, and removes excess mortar

- Installs lintels and flashings to openings
- Repairs and maintains bricks, cement blocks and related structures
- May prepare base and bedding courses, and lay segmental paving

Occupation

371132 Stonemason

Cuts and shapes hard and soft stone blocks and masonry slabs to construct and renovate stone structures, kitchen benchtops and monumental masonry.

Registration or licensing may be required.

Specialisation

- Monumental Stonemason

Skill level: 3

Main tasks

- Studies plans and specifications to determine materials required, dimensions and installation procedures
- Measures, marks dimensions, outlines, splits, cuts, shapes and finishes stone blocks and masonry slabs using hand tools and machinery
- Sets out and cuts letters and designs into stone
- Lays stone blocks and large masonry slabs to construct structures such as walls, arches and pillars, ensuring they are level and plumb
- Constructs and installs stone construction elements such as benchtops and splashbacks
- Assesses damage to and repairs stonework, including on old or heritage buildings and monuments
- May design, cut and install monumental masonry

Unit Group

3712 Concreters

Pour, spread, smooth and finish concrete and install reinforcements to strengthen concrete for structures such as floors, stairs, ramps, footpaths and bridges. Read and interpret construction plans, and supervise Concreter's Labourers.

OSCA skill level

The occupations in this unit group have a skill level corresponding to the qualifications and experience below.

- Skill Level 3: AQF Certificate III including at least two years of on-the-job training, AQF Certificate IV, or at least three years of relevant experience

Occupation

371231 Concreter

Pours, spreads, smooths and finishes concrete and installs reinforcements to strengthen concrete for structures such as floors, stairs, ramps, footpaths and bridges. Reads and interprets construction plans, and supervises Concreter's Labourers.

Registration or licensing may be required.

Alternative title

- Concrete Worker

Specialisations

- Concrete Cutter
- Concrete Finisher
- Concrete Patcher

Skill level: 3

Main tasks

- Reads and interprets construction plans and specifications
- Determines the quantity and type of concrete required for a project
- Supervises and directs the work of Concreter's Labourers
- Prepares the site for concrete pouring, including clearing and leveling the area
- Installs reinforcement materials such as rebar, to strengthen concrete
- Mixes and pours concrete into the designated areas
- Spreads and levels concrete using tools such as screeds and trowels
- Finishes concrete surfaces to achieve the desired texture and appearance
- Cures and protects concrete to ensure proper hardening and durability
- May construct formwork to hold wet concrete in place

Minor Group

372 Carpenters and Joiners

Construct, erect, install, renovate and repair structures and fixtures made of wood, plywood, lightweight steel, wallboard and other materials, and cut, shape and fit timber parts to form

structures and fittings.

OSCA skill level

The occupations in this minor group have a skill level corresponding to the qualifications and experience below.

- Skill Level 3: AQF Certificate III including at least two years of on-the-job training, AQF Certificate IV, or at least three years of relevant experience

Unit Group

3721 Carpenters and Joiners

Construct, erect, install, renovate and repair structures and fixtures made of wood, plywood, lightweight steel, wallboard and other materials, and cut, shape and fit timber parts to form structures and fittings.

OSCA skill level

The occupations in this unit group have a skill level corresponding to the qualifications and experience below.

- Skill Level 3: AQF Certificate III including at least two years of on-the-job training, AQF Certificate IV, or at least three years of relevant experience

Occupation

372131 Carpenter and Joiner

Cuts, shapes, fits and installs structures and fixtures of wood, plywood and wallboard, and cuts, shapes and fits timber parts to form structures and fittings.

Registration or licensing may be required.

Shopfitters are excluded from this occupation. Shopfitters are included in Occupation 369931 Shopfitter.

Skill level: 3

Main tasks

- Studies blueprints, drawings and specifications to determine materials required and dimensions of structures or fixtures
- Operates woodworking machines to cut, shape and fit timber parts to form structures and fixtures such as cabinets, doors and window frames, and installs them using hand and power tools
- Constructs and installs stairs, handrails and balustrades

- Applies finishes such as paint, stain or varnish, and installs hardware such as hinges, locks and handles, on structures and fixtures
- Erects frameworks for structures such as walls, floors and roofs, using scaffolding and ladders

Occupation

372132 Carpenter

Constructs, erects, installs, renovates and repairs structures and fixtures of wood, plywood, lightweight steel, wallboard and other materials.

Registration or licensing may be required.

Specialisations

- Fixing Carpenter
- Formwork Carpenter
- Prop and Scenery Maker
- Roof Carpenter

Skill level: 3

Main tasks

- Interprets plans, specifications and drawings to determine carpentry materials required, dimensions and installation procedures
- Sets out, constructs and erects wall and ceiling frames, constructs eaves, and erects roof trusses
- Constructs and installs structures such as walls, flooring systems, external stairs, panelling and partitions using mechanical fasteners such as nails, screws and brackets
- Fits and installs windows and doors into wall frames, and installs associated furnishings such as hinges, handles and locks
- Repairs and renovates wooden structures, including by removing and replacing damaged or deteriorated timber
- May construct and install formwork for concrete structures

Occupation

372133 Joiner

Cuts, shapes and fits timber parts in workshops to form structures and fittings, ready for installation.

Registration or licensing may be required.

Specialisation

- Stair Builder

Skill level: 3

Main tasks

- Interprets plans, specifications and drawings to determine joinery materials and methods required to meet project specifications
- Uses hand or power tools and static machines, and programs and operates computer-controlled machinery to produce joinery components
- Manufactures and assembles joinery components such as multi panelled doors, window sashes and cabinet carcasses
- Designs, manufactures and finishes wooden stairs, including stair posts, handrails and balustrades
- Assembles components using joinery methods such as clamps, cramps, pressers, packers and wedges
- Disassembles joinery components and packages them for transport