

Intermediate Tradesman Collaborative Training Scheme

Work Trade Category and Skill Description

Category	Work Trade	Skill Description
Building And Civil Work Trade (B&C Trade)	Bar Bender and Fixer	Cutting, bending and fixing reinforcement steel bars
	Concretor	(a) Mixing, placing and compacting concrete using vibrating machines (b) Curing, levelling and smoothing of concrete
	Carpenter (Formwork - Building Construction/ Civil Construction)	Erecting and striking timber formwork for building construction
	Site Surveying (Leveller)*	(a) Reading and interpreting drawings (b) Setting up job lines and levels and preparing templates of roads, channels and sand wells.
	Surveying & Setting Out (Leveller)*	(a) Reading and interpreting drawings of buildings and civil engineering plans. (b) Setting up job lines and levels and preparing templates.
	Bricklayer	Laying bricks and other building blocks, except stones and marble, for construction and repair of walls, partitions, arches, openings and other structures
	Tiler	Cutting, shaping and setting tiles on walls, ceilings and floors
	Plasterer	(a) Applying coats of plaster to, and rendering walls and ceilings, to produce finished surfaces (b) Screeding floors, staircases and roofs
	Painter and Decorator	(a) Preparing surfaces, fittings and fixtures of buildings and other structures for painting and decorating (b) Applying paints or similar protective and decorative materials
	Marble Worker (Polishing)	Cutting, grinding, repairing and polishing marble slabs, granite slabs or similar stones
Plumber	Installation, repair and maintenance of all types of cold and hot water pipes, fire services pipes and above ground sewage and drainage; piping and installation, repair and maintenance of all sanitary wares and fixtures relating to water supply.	

Category	Work Trade	Skill Description
Building And Civil Work Trade (B&C Trade)	Drainlayer	Laying and joining underground drains, constructing manholes, installing pipes and fittings, constructing beds and haunches, and surrounding pipes with concrete
	Tower Crane Workers' Assistant	Tower crane assembly, disassembly, and climbing practice.
	Piling Operative (Bored Pile)	Setting up piling rigs for bored piles works
	Offsite Rebar Automation Cut and Bend Operator*	(a) Understand the types, application trends and application skills of offsite rebar automation cut and bending machinery. (b) The operation, maintenance and proofreading of rebar automation machines.
	Metal Worker	(a) Fitting, assembling, welding and forging metal parts (b) Installing nonstructural metal work (c) Operating metalworking machines (d) Making templates (e) Repairing metal formwork
	General Welder	General welding and cutting by electric arc, oxy-acetylene flame or other welding processes
	Metal Scaffolder and Metal Formwork Erector	(a) Setting up lifting apparatus and equipment for lifting and lowering materials (b) Fixing and dismantling large panel metal formwork
	Ground Investigation Operator	(a) Setting up and operating drilling plants for ground investigation purposes (b) Taking and storing soil, and rock samples or specimens, for inspection and logging by engineers or technicians or geologists (c) Performing in situ field tests in the company of geotechnical field technicians
Tunnel Worker	Carrying out general construction work inside tunnels, including installing temporary supports and working platforms, ventilation ducts, packers and protective fencings	

Category	Work Trade	Skill Description
Plant and Equipment Operator Work Trade	Crawler-mounted Mobile Crane Operator	Operating crawler-mounted mobile cranes
	Crawler-mounted Mobile Crane Operator (Apprentices Scheme)	Operating crawler-mounted mobile cranes
	Wheeled Telescopic Mobile Crane Operator	Operating wheeled telescopic mobile cranes
	Wheeled Telescopic Mobile Crane Operator (Apprentices Scheme)	Operating wheeled telescopic mobile cranes
	Tower Crane Operator	Operating tower cranes
	Bulldozer Operator	Operating bulldozers
	Loader Operator	Operating loaders
Electrical & Mechanical Work Trade (E&M Trade)	Electrical Wireman	Installing and laying wiring for electrical systems and equipment
	Fire Service Mechanical Fitter	Installing, testing, maintaining, inspecting and repairing fire service piping systems and mechanical parts of fire service systems
	Refrigeration/Air-conditioning/ Ventilation Mechanic (Air System)	Fabricating, installing and repairing sheet metal assemblies and products (including ventilation ducting, dampers, fire resistant board and fittings)
	Refrigeration/Air-conditioning/ Ventilation Mechanic (Thermal Insulation)	Preparing, fitting, fixing and repairing thermal insulations of air-conditioning and refrigeration plants
	Refrigeration/Air-conditioning/ Ventilation Mechanic (Water System)	Fitting, assembling, installing, commissioning, maintaining and repairing water systems for air-conditioning systems (including air-handling and water condensing equipment)
	Lift Mechanic	Installing, adjusting, maintaining and repairing lifts

Category	Work Trade	Skill Description
Specialist Marine Work Trade*	Underwater Geotextile Special Barge Operator*	Assist in operating the geotextile ship and use pressure rollers to stabilize the geotextile
	Underwater Band Drain Special Barge Operator*	Assist in PVD drainage board operation interface and system operation, as well as piling process
	Sand Pumping Barge Operation Supervisor*	Assist in operating professional sand pumping equipment for blowing and filling operations
	Anchor Boat Operator*	Assist in operating anchor boat
	Rock Placing Pelican Barge Operator*	Assist in operating the Rock Placing Pelican Barge
	Dredge Pipe Supervisor – TSHD*	Assist in laying water and land pipelines, cooperating with construction vessels for on-site pipeline docking, dismantling, replacement, turning, and how to command excavator construction and maintenance
	Deep Cement Mixing Plant Operator*	Assist in operating Deep Cement Mixing Plant
	Hydraulic Filling Vibro Compaction Rig Operator*	Assist in operating the Hydraulic Filling Vibro Compaction Rig
	Floating Box Culvert Installation Operator*	Assist in floating installation of the box culvert, quality inspection and testing after completion, and cooperating with divers to remove and hoist the steel sealing doors at both ends of the box culvert
	Operator of Specialized Plant for Seabed Ground Treatment Works*	Assist in operating Specialized Plant for Seabed Ground Treatment Works
	Sand Transshipment Operator*	Assist in operating Sand Transshipment
Underwater Lamination Sand Placing Special Barge Operator*	Assist in operating Underwater Lamination Sand Placing Special Barge	

Note: 1. The above “Work Trade Category and Skill Description” is based on the Appendix of Construction Workers Registration Ordinance (Cap. 583) “List of Designated Trade Divisions description”. For details, please refer to the below link:

<http://www.cic.hk/files/page/123/list%20of%20designated%20trade%20divisions4.pdf>

2. The above Work Trade with ‘*’ is not included in the “List of Designated Trade Divisions description” of Construction Workers Registration.

The skill description refers to the training syllabus of the ITCTS Framework in the below link:

http://www.cic.hk/eng/main/collaboration_schemes/intermediate_trades/cts_trainee/