

CPC08 Construction, Plumbing and Services Training Package

Version 9.20

WA NOMINAL HOURS GUIDE

Introduction

This Guide has been generated to enable the stakeholders in this Industry in Western Australia to participate in the managed implementation of the National CPC08 Construction, Plumbing and Services Training Package.

This Guide is designed to aid Registered Training Organisations (RTOs) to convert from existing Training Package qualifications to new Training Package qualifications within the scope of their training delivery.

The Guide should be read in conjunction with the endorsed components of the Training Package

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Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications in accordance with the Standards for RTOs. For further information visit the Training Accreditation Council website www.tac.wa.gov.au

Nominal Hours

Nominal hours are the hours of training notionally required to achieve the outcomes of units of competency.

Nominal hours are identified for nationally endorsed qualifications. Nominal hours may vary for a qualification depending on the selection of units of competency.

In Western Australia, nominal hours are used as a mechanism for funding allocation.

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Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the industry.

National Code	National Title	Nominal Hours
CPC10111	Certificate I in Construction	228
CPC20112	Certificate II in Construction	400
CPC20211	Certificate II in Construction Pathways	230
CPC20712	Certificate II in Drainage	344
CPC20812	Certificate II in Metal Roofing and Cladding	489
CPC20912	Certificate II in Urban Irrigation	298
CPC30111	Certificate III in Bricklaying/Blocklaying	768
CPC30211	Certificate III in Carpentry	784
CPC30313	Certificate III in Concreting	680
CPC30413	Certificate III in Demolition	512
CPC30511	Certificate III in Dogging	448
CPC30611	Certificate III in Painting and Decorating	803
CPC30711	Certificate III in Rigging	472
CPC30812	Certificate III in Roof Tiling	510
CPC30911	Certificate III in Scaffolding	384
CPC31011	Certificate III in Solid Plastering	783
CPC31111	Certificate III in Steelfixing	460
CPC31211	Certificate III in Wall and Ceiling Lining	760
CPC31311	Certificate III in Wall and Floor Tiling	783
CPC31411	Certificate III in Construction Waterproofing	568
CPC31511	Certificate III in Formwork/Falsework	710
CPC31611	Certificate III in Paving	451
CPC31712	Certificate III in Post-Tensioning	485

CPC31812	Certificate III in Shopfitting	775
CPC31912	Certificate III in Joinery	775
CPC32011	Certificate III in Carpentry and Joinery	885
CPC32111	Certificate III in Signage	622
CPC32211	Certificate III in Joinery (Stairs)	701
CPC32313	Certificate III in Stonemasonry (Monumental/Installation)	586
CPC32413	Certificate III in Plumbing	975
CPC32513	Certificate III in Plumbing (Mechanical Services)	1438
CPC32612	Certificate III in Roof Plumbing	579
CPC32713	Certificate III in Gas Fitting	639
CPC32813	Certificate III in Fire Protection	900
CPC32912	Certificate III in Construction Crane Operations	780
CPC40110	Certificate IV in Building and Construction (Building)	760
CPC40208	Certificate IV in Building and Construction (Contract Administration)	545
CPC40308	Certificate IV in Building and Construction (Estimating)	710
CPC40408	Certificate IV in Building and Construction (Sales)	500
CPC40508	Certificate IV in Building and Construction (Site Management)	680
CPC40611	Certificate IV in Building and Construction (Specialist Trades)	700
CPC40708	Certificate IV in Building and Construction (Trade Contracting)	570
CPC40808	Certificate IV in Swimming Pool and Spa Building	680
CPC40912	Certificate IV in Plumbing and Services	612
CPC41013	Certificate IV in Demolition	710
CPC50210	Diploma of Building and Construction (Building)	1220
CPC50308	Diploma of Building and Construction (Management)	870
CPC50412	Diploma of Plumbing and Services	530
CPC50509	Diploma of Fire Systems Design	682
CPC50612	Diploma of Hydraulic Services Design	2252
CPC60108	Advanced Diploma of Building Surveying	1866

CPC60212	Advanced Diploma of Building and Construction (Management)	570
CPC70109	Graduate Certificate In Fire Systems Design Management	315

Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the industry.

National Code	National Title	Nominal Hours
CPCCBC4001A	Apply building codes and standards to the construction process for low rise building projects	40
CPCCBC4002A	Manage occupational health and safety in the building and construction workplace	30
CPCCBC4003A	Select and prepare a construction contract	40
CPCCBC4004A	Identify and produce estimated costs for building and construction projects	60
CPCCBC4005A	Produce labour and material schedules for ordering	40
CPCCBC4006B	Select, procure and store construction materials for low rise projects	30
CPCCBC4007A	Plan building or construction work	40
CPCCBC4008B	Conduct on-site supervision of building and construction projects	20
CPCCBC4009B	Apply legal requirements to building and construction projects	40
CPCCBC4010B	Apply structural principles to residential low rise constructions	120
CPCCBC4011B	Apply structural principles to commercial low rise constructions	80
CPCCBC4012B	Read and interpret plans and specifications	40
CPCCBC4013A	Prepare and evaluate tender documentation	30
CPCCBC4014A	Prepare simple building sketches and drawings	60
CPCCBC4015A	Prepare specifications for all construction works	20
CPCCBC4016A	Administer a construction contract	30
CPCCBC4017A	Arrange resources and prepare for the building or construction project	20
CPCCBC4018A	Apply site surveys and set-out procedures to building and construction projects	40
CPCCBC4019A	Apply sustainable building design principles to water management systems	40
CPCCBC4020A	Build thermally efficient and sustainable structures	40
CPCCBC4021A	Minimise waste on the building and construction site	20
CPCCBC4022A	Supervise tilt-up work	40
CPCCBC4024A	Resolve business disputes	20

CPCCBBC4025A	Manage personal work priorities and professional development	30
CPCCBBC4026A	Arrange building applications and approvals	20
CPCCBBC4027B	Establish a basis for sales consulting	20
CPCCBBC4028A	Prepare design brief for construction works	20
CPCCBBC4029B	Apply construction information to the sales process	20
CPCCBBC4030A	Analyse and communicate industry information	20
CPCCBBC4031A	Process client requirements	30
CPCCBBC4032A	Apply contract law to sales processes	20
CPCCBBC4033A	Maintain the sales environment	20
CPCCBBC4034A	Apply codes and standards to building trade and services contracting	40
CPCCBBC4035A	Initiate the heritage works process	20
CPCCBBC4036A	Prepare to undertake the heritage restoration process	40
CPCCBBC4037A	Prepare drawings for heritage works	40
CPCCBBC4038A	Prepare work plans for restoration work	20
CPCCBBC4039A	Undertake the heritage restoration process	40
CPCCBBC4040A	Prepare report for heritage restoration work	20
CPCCBBC4041A	Undertake preparations for refractory work	15
CPCCBBC4042A	Construct a fire brick wall and arch using refractory materials	30
CPCCBBC4043A	Operate a self-erecting tower crane	40
CPCCBBC4044A	Operate a tower crane	64
CPCCBBC4045A	Perform advanced rigging	100
CPCCBBC4046A	Erect and dismantle advanced scaffolding	40
CPCCBBC4047A	Quality assure fire-rated lining systems	40
CPCCBBC4048A	Apply building codes and standards to the construction process for swimming pools and spas	40
CPCCBBC4049A	Apply structural principles to construction of swimming pools and spas	30
CPCCBBC4050A	Select, procure and store construction materials for swimming pools and spa projects	30
CPCCBBC4051A	Supervise asbestos removal	40
CPCCBBC5001B	Apply building codes and standards to the construction process for medium rise building projects	40

CPCCBC5002A	Monitor costing systems on medium rise building and construction projects	60
CPCCBC5003A	Supervise the planning of on-site medium rise building or construction work	160
CPCCBC5004A	Supervise and apply quality standards to the selection of building and construction materials	60
CPCCBC5005A	Select and manage building and construction contractors	40
CPCCBC5006B	Apply site surveys and set-out procedures to medium rise building projects	60
CPCCBC5007B	Administer the legal obligations of a building or construction contractor	80
CPCCBC5009A	Identify services layout and connection methods to medium rise construction projects	60
CPCCBC5010B	Manage construction work	100
CPCCBC5011A	Manage environmental management practices and processes in building and construction	100
CPCCBC5012A	Manage the application and monitoring of energy conservation and management practices and processes	100
CPCCBC5013A	Develop professional technical and legal reports on building and construction projects	60
CPCCBC5014A	Conduct asbestos assessment associated with removal	30
CPCCBC5018A	Apply structural principles to the construction of medium rise buildings	80
CPCCBC6001B	Apply building codes and standards to the construction process for large building projects	40
CPCCBC6002A	Generate and direct the development of new projects	160
CPCCBC6003A	Establish, maintain and review contract administration procedures and frameworks	60
CPCCBC6005A	Manage tender developments for major projects	40
CPCCBC6006A	Manage the procurement and acquisition of resources for building or construction projects	40
CPCCBC6007A	Develop, plan and implement appropriate building or construction environmental management practices and processes	30
CPCCBC6008A	Develop and implement an appropriate estimating and tendering system	60
CPCCBC6009A	Develop, plan and implement an appropriate building or construction planning process	40
CPCCBC6010A	Plan, develop and implement building or construction energy conservation and management practices and processes	160
CPCCBC6011A	Establish systems to develop and monitor building and construction costs	60
CPCCBC6012A	Manage and administer development of documentation for building or construction projects	30
CPCCBC6013A	Evaluate materials for multi-storey buildings	60
CPCCBC6014A	Apply structural principles to the construction of large, high rise and complex buildings	100
CPCCBC6015A	Apply building surveying procedures	50

CPCCBC6016A	Assess construction faults in large building projects	50
CPCCBC6017A	Evaluate services layout and connection methods for the planning of large building projects	80
CPCCBC6018A	Manage processes for complying with legal obligations of a building or construction contractor	40
CPCCBL2001A	Handle and prepare bricklaying and blocklaying materials	16
CPCCBL2002A	Use bricklaying and blocklaying tools and equipment	30
CPCCBL3001A	Lay paving	22
CPCCBL3002A	Carry out masonry veneer construction	44
CPCCBL3003A	Carry out cavity brick construction	64
CPCCBL3004A	Construct masonry steps and stairs	32
CPCCBL3005A	Lay masonry walls and corners	40
CPCCBL3006A	Lay multi-thickness walls and piers	40
CPCCBL3007A	Install glass blockwork	8
CPCCBL3009A	Install flashings and damp proof course	8
CPCCBL3010A	Construct masonry arches	80
CPCCBL3011A	Construct curved walls	16
CPCCBL3012A	Construct fireplaces and chimneys	60
CPCCBL3013A	Construct masonry structural systems	32
CPCCBL3014A	Install fire-rated masonry construction	16
CPCCBL3015A	Construct decorative brickwork	40
CPCCBL3016A	Construct battered masonry walls and piers	40
CPCCBL3017A	Carry out tuck pointing to brickwork	24
CPCCBL3018A	Install aerated autoclaved concrete products	32
CPCCCA2002B	Use carpentry tools and equipment	52
CPCCCA2003A	Erect and dismantle formwork for footings and slabs on ground	32
CPCCCA2011A	Handle carpentry materials	16
CPCCCA3001A	Carry out general demolition of minor building structures	24
CPCCCA3002A	Carry out setting out	12
CPCCCA3003A	Install flooring systems	40

CPCCCA3004A	Construct wall frames	40
CPCCCA3005B	Construct ceiling frames	24
CPCCCA3006B	Erect roof trusses	40
CPCCCA3007C	Construct pitched roofs	36
CPCCCA3008B	Construct eaves	20
CPCCCA3009B	Construct advanced roofs	80
CPCCCA3010A	Install and replace windows and doors	32
CPCCCA3011A	Refurbish timber sashes to window frames	16
CPCCCA3012A	Frame and fit wet area fixtures	24
CPCCCA3013A	Install lining, panelling and moulding	24
CPCCCA3014A	Construct bulkheads	40
CPCCCA3015A	Assemble partitions	40
CPCCCA3016A	Construct timber external stairs	40
CPCCCA3017B	Install exterior cladding	40
CPCCCA3018A	Construct, erect and dismantle formwork for stairs and ramps	40
CPCCCA3019A	Erect and dismantle formwork to suspended slabs, columns, beams and walls	48
CPCCCA3020A	Erect and dismantle jump form formwork	60
CPCCCA3021A	Erect and dismantle slip form formwork	60
CPCCCA3022A	Install curtain walling	40
CPCCCA3023A	Carry out levelling operations	24
CPCCCM1011A	Undertake basic estimation and costing	14
CPCCCM1012A	Work effectively and sustainably in the construction industry	16
CPCCCM1013A	Plan and organise work	16
CPCCCM1014A	Conduct workplace communication	16
CPCCCM1015A	Carry out measurements and calculations	16
CPCCCM1016A	Identify requirements for safe tilt-up work	16
CPCCCM2001A	Read and interpret plans and specifications	32
CPCCCM2002A	Carry out excavation	16

CPCCCM2003B	Calculate and cost construction work	20
CPCCCM2004A	Handle construction materials	16
CPCCCM2005B	Use construction tools and equipment	40
CPCCCM2006A	Apply basic levelling procedures	16
CPCCCM2006B	Apply basic levelling procedures	16
CPCCCM2007B	Use explosive power tools	8
CPCCCM2008A	Erect and dismantle restricted height scaffolding	16
CPCCCM2008B	Erect and dismantle restricted height scaffolding	16
CPCCCM2009A	Carry out basic demolition	16
CPCCCM2010B	Work safely at heights	16
CPCCCM3001C	Operate elevated work platforms	16
CPCCCM3002A	Operate a truck mounted loading crane	32
CPCCCM3003A	Work safely around power sources, services and assets	32
CPCCCO2013A	Carry out concreting to simple forms	24
CPCCCO2014A	Carry out concrete work	40
CPCCCO2021A	Handle concreting materials	16
CPCCCO2022A	Use and maintain concreting plant, tools and equipment	40
CPCCCO3026A	Carry out repair and rectification of concrete	32
CPCCCO3035A	Assess and specify concrete supply requirements	50
CPCCCO3036A	Plan concrete work and brief team	35
CPCCCO3041A	Place concrete	100
CPCCCO3042A	Finish concrete	100
CPCCCO3043A	Cure concrete	16
CPCCCO3044A	Carry out decorative finishes to concrete	20
CPCCCO3046A	Repair and rectify concrete	32
CPCCCO3047A	Cut and core concrete	16
CPCCCO3048A	Construct tilt panels on site	40
CPCCCO3049A	Apply and finish sprayed concrete	16

CPCCCO3050A	Carry out high performance concreting	16
CPCCCO3051A	Conduct off-form vertical concrete operations	32
CPCCCO3052A	Conduct concrete boom delivery operations	80
CPCCCO3053A	Slump test concrete	32
CPCCCO3054A	Operate concrete agitator trucks	32
CPCCCO3055A	Install topping slabs	16
CPCCCO4001A	Supervise concreting work	35
CPCCDE2012A	Carry out manual general demolition	40
CPCCDE3014A	Remove non-friable asbestos	25
CPCCDE3015A	Remove friable asbestos	25
CPCCDE3016A	Identify hazards on demolition sites and apply risk management strategies	35
CPCCDE3017A	Select and use hand tools and equipment for demolition tasks	35
CPCCDE3018A	Select and use small plant and equipment for demolition tasks	30
CPCCDE3019A	Demolish small buildings and structures using hand tools and small plant and equipment	35
CPCCDE3020A	Select and use tools and equipment for hot work in the demolition industry	45
CPCCDE3021A	Operate demolition material crushing plants	30
CPCCDE3022A	Manage demolition recyclable and waste materials using load shifting equipment	35
CPCCDE3023A	Operate skid steer loaders at ground level on demolition sites	70
CPCCDE3024A	Operate mobile plant on suspended floors on demolition sites	70
CPCCDE3025A	Operate remote-controlled plant on demolition sites	85
CPCCDE3026A	Operate excavators at ground level to demolish building elements	180
CPCCDE4001A	Plan and prepare for activities on demolition sites	60
CPCCDE4002A	Plan and supervise demolition work to minimise environmental and public health and safety impact	85
CPCCDE4003A	Supervise individual activities on demolition sites	90
CPCCDE4004A	Finalise demolition activities and supervise property handover	30
CPCCDO2011A	Handle and use dogging tools and equipment	16
CPCCDO3011A	Perform dogging	32
CPCCDO3012A	Perform crane scheduling	40

CPCCJN2001A	Assemble components	32
CPCCJN2002B	Prepare for off-site manufacturing process	32
CPCCJN2003A	Package manufactured products for transport	6
CPCCJN3001A	Use static machines	25
CPCCJN3002A	Use computer-controlled machinery	32
CPCCJN3003A	Manufacture components for door and window frames and doors	22
CPCCJN3004A	Manufacture joinery components	40
CPCCJN3005A	Cut and install glass	8
CPCCJS3002A	Manufacture stair components for straight flighted stairs	20
CPCCJS3003A	Assemble and install stairs	12
CPCCJS3004A	Manufacture and install continuous handrailing and special stair components	40
CPCCJS3005A	Manufacture stair components for curved and geometric stairs	56
CPCCJS3006A	Construct fabricated stairs	24
CPCCJS3011A	Design and set out stairs	40
CPCCCLBM3001A	Licence to operate a concrete placing boom	160
CPCCCLDG3001A	Licence to perform dogging	80
CPCCCLHS3001A	Licence to operate a personnel and materials hoist	32
CPCCCLHS3002A	Licence to operate a materials hoist	20
CPCCCLRG3001A	Licence to perform rigging basic level	96
CPCCCLRG3002A	Licence to perform rigging intermediate level	24
CPCCCLRG4001A	Licence to perform rigging advanced level	24
CPCCCLSF2001A	Licence to erect, alter and dismantle scaffolding basic level	40
CPCCCLSF3001A	Licence to erect, alter and dismantle scaffolding intermediate level	40
CPCCCLSF4001A	Licence to erect, alter and dismantle scaffolding advanced level	40
CPCCCLTC4001A	Licence to operate a tower crane	40
CPCCCLTC4002A	Licence to operate a self-erecting tower crane	80
CPCCOHS1001A	Work safely in the construction industry	4
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry	32

CPCCPA3001A	Prepare subgrade, base and bedding course for segmental paving	16
CPCCPA3002A	Lay segmental pavers	8
CPCCPA3003A	Cut segmental pavers	8
CPCCPA3004A	Finish segmental paving	4
CPCCPA3005A	Maintain and repair segmental paving	4
CPCCPB3001A	Fix standard plasterboard wall sheets	40
CPCCPB3002A	Fix standard plasterboard ceiling sheets	40
CPCCPB3003A	Fix battens	20
CPCCPB3004A	Fix wet area sheets	40
CPCCPB3005A	Fix ceiling sheets to external protected areas	40
CPCCPB3006A	Fix fibre cement board	30
CPCCPB3007A	Apply levels of finish standards to planning and inspection of own work	20
CPCCPB3008A	Mix plastering compounds	10
CPCCPB3009A	Finish plasterboard joins manually	15
CPCCPB3010A	Manually sand plaster work	10
CPCCPB3011A	Finish category 1 and 2 wet areas	30
CPCCPB3012A	Cut and fix paper-faced cornices	15
CPCCPB3013A	Plan travel routes	20
CPCCPB3014A	Install batt insulation products	25
CPCCPB3015A	Install acoustic and thermal environmental protection systems	20
CPCCPB3016A	Install and finish columns	30
CPCCPB3017A	Rectify faults in plaster applications	15
CPCCPB3018A	Use vacuum and electric sanding equipment to finish plaster work	15
CPCCPB3019A	Inspect equipment for serviceability	30
CPCCPB3020A	Match, mitre and install cast ornamental cornices	40
CPCCPB3021A	Install and fix residential acoustic plaster products	30
CPCCPB3022A	Use mechanical jointing equipment to finish joints	20
CPCCPB3023A	Load and unload plaster and plaster-related products	5

CPCCPB3024A	Use manual handling equipment to manoeuvre plaster products	20
CPCCPB3025A	Store plasterboard and related products	20
CPCCPB3026B	Erect and maintain trestle and plank systems	25
CPCCPB3027A	Install ceiling insulation	30
CPCCPD2011A	Handle painting and decorating materials	8
CPCCPD2012A	Use painting and decorating tools and equipment	40
CPCCPD2013A	Remove and replace doors and door and window components	10
CPCCPD3021A	Prepare surfaces for painting	56
CPCCPD3022A	Apply paint by brush and roller	68
CPCCPD3023A	Apply texture coat paint finishes by brush, roller and spray	24
CPCCPD3024A	Apply paint by spray	64
CPCCPD3025A	Match specified paint colour	44
CPCCPD3026A	Apply stains and clear timber finishes	28
CPCCPD3027A	Apply wallpaper	48
CPCCPD3028A	Apply decorative paint finishes	50
CPCCPD3029A	Remove graffiti and apply protective coatings	24
CPCCPD3030B	Apply protective paint coating systems	24
CPCCPD3031A	Implement safe lead paint and asbestos work practices in the painting industry	16
CPCCPD3032A	Apply advanced wallpaper techniques	24
CPCCPD3033A	Apply intumescent coatings	16
CPCCPD3034A	Apply advanced decorative paint finishes	40
CPCCRI3001A	Operate personnel and materials hoists	24
CPCCRI3012A	Perform basic rigging	40
CPCCRI3013A	Perform intermediate rigging	40
CPCCRI3014A	Perform advanced structural steel erection	24
CPCCRI3015A	Perform advanced tilt-up slab erection	32
CPCCRI3016A	Perform advanced tower crane erection	20
CPCCRT2001A	Handle roof tiling materials	16

CPCCRT2002A	Use roof tiling tools and equipment	44
CPCCRT3001A	Tile regular roofs	80
CPCCRT3002A	Tile irregular roofs	60
CPCCRT3003B	Repair and replace valleys, valley irons and flashings	8
CPCCRT3004B	Repair and renovate tile roofs	24
CPCCRT3005B	Slate a roof	48
CPCCRT3006B	Fix shingles to roofs and facades	24
CPCSC2001A	Safely handle and use scaffolding tools and equipment	32
CPCSC2002A	Erect and dismantle basic scaffolding	40
CPCSC3001A	Erect and dismantle intermediate scaffolding	40
CPCCSF2001A	Handle steelfixing materials	32
CPCCSF2002A	Use steelfixing tools and equipment	60
CPCCSF2003A	Cut and bend materials using oxy-LPG equipment	20
CPCCSF2004A	Place and fix reinforcement materials	40
CPCCSF2005A	Arc weld reinforcement steel	32
CPCCSF2006A	Machine cut reinforcement materials	16
CPCCSF2007A	Splice and anchor using mechanical methods	50
CPCCSF3001A	Apply reinforcement schedule	16
CPCCSF3002A	Carry out monostrand post-tensioning	40
CPCCSF3003A	Carry out multistrand post-tensioning	40
CPCCSF3004A	Carry out stressbar post-tensioning	20
CPCCSH2001A	Prepare surfaces	8
CPCCSH2002A	Use aluminium sections for fabrication	6
CPCCSH2003A	Apply and install sealant and sealant devices	4
CPCCSH3001A	Set out and assemble cabinets, showcases, wall units, counters and workstations	32
CPCCSH3002A	Set out and fabricate shopfront commercial entries bulkheads and component fittings	40
CPCCSH3003A	Assemble and install shopfront commercial entries bulkheads and components	40
CPCCSH3005A	Apply and trim decorative finishes	40

CPCCSH3006A	Apply finishes	16
CPCCSI2001A	Use colour for signage	16
CPCCSI2002A	Lay out and design signage	48
CPCCSI2003A	Prepare surfaces for signage	16
CPCCSI2004A	Produce digital signage	32
CPCCSI2005A	Fabricate signage	40
CPCCSI2006A	Signwrite to simple forms	44
CPCCSI2007A	Apply fasteners and fixings	16
CPCCSI3001A	Produce vinyl signage	24
CPCCSI3002A	Use rotary router	40
CPCCSI3003A	Signwrite to decorative forms	56
CPCCSI3004A	Apply advanced vinyl applications	32
CPCCSI3005A	Use engraving systems	32
CPCCSI3006A	Apply gilding to signage	40
CPCCSI3007A	Apply lines and scrolls	26
CPCCSI3008A	Write showcards and chalkboards	32
CPCCSI3009A	Screen-print signage	32
CPCCSI3010A	Hand render pictorials	32
CPCCSI3011A	Use LED technology for signage	32
CPCCSI3012A	Apply electrical theory for illuminated signage	16
CPCCSI3013A	Install LED systems	40
CPCCSI3014A	Manufacture gas-charged glass-formed illuminated signage	200
CPCCSI3015A	Produce airbrushed signage	25
CPCCSI3016A	Produce digital signage using advanced software applications	25
CPCCSP2001A	Handle solid plastering materials	24
CPCCSP2002A	Use solid plastering tools and equipment	64
CPCCSP2003A	Prepare surfaces for plastering	24
CPCCSP3001A	Apply float and render to straight and curved surfaces	120

CPCCSP3002A	Apply set coats	80
CPCCSP3003A	Apply trowelled texture coat finishes	80
CPCCSP3004A	Restore and renovate solid plasterwork	120
CPCCSP3005A	Install pre-cast decorative mouldings	40
CPCCSP3006A	Install cast plaster blockwork	16
CPCCSP3007A	Apply plaster by projection machine	32
CPCCST2001A	Prepare for stonemasonry construction process	24
CPCCST2003A	Finish stone	24
CPCCST2004A	Lay stone	32
CPCCST2005A	Carry out load slinging of off-site materials	4
CPCCST2006A	Identify and use stone products	4
CPCCST3001A	Dress and mould stone	4
CPCCST3002A	Shape solid stone	8
CPCCST3003A	Split stone manually	4
CPCCST3004A	Dress stone manually	24
CPCCST3006A	Machine stone	12
CPCCST3007A	Turn stone	26
CPCCST3009A	Use computer-controlled static machinery to produce stone components	26
CPCCST3010A	Set out and cut letters in stone	28
CPCCST3011A	Plan monument construction	10
CPCCST3012A	Build stone veneer walls	40
CPCCST3013A	Carry out cemetery monument fixing	32
CPCCST3014A	Set and anchor stone facades	28
CPCCST3015A	Apply gilding to stone	16
CPCCST3016A	Build solid stonemasonry walls	30
CPCCST3017A	Construct stone arches	70
CPCCST3018A	Inlay lead to stone	16
CPCCST3019A	Lay stonemasonry stairs	25

CPCCST3020A	Produce reconstituted stone	20
CPCCST3021A	Renovate and restore stone work	70
CPCCST3022A	Carry out profile work	28
CPCCSV5001A	Assess the construction of domestic scale buildings	60
CPCCSV5002A	Evaluate materials for construction of domestic scale buildings	70
CPCCSV5003A	Produce working drawings for residential buildings	120
CPCCSV5004A	Apply legislation to urban development and building controls	30
CPCCSV5005A	Apply footing and geomechanical design principles to domestic scale buildings	30
CPCCSV5006A	Assess construction faults in residential buildings	60
CPCCSV5007A	Undertake site surveys and set-out procedures for building projects	80
CPCCSV5008A	Apply building control legislation to building surveying	30
CPCCSV5009A	Assess the impact of fire on building materials	30
CPCCSV5010A	Interact with clients in a regulated environment	30
CPCCSV5011A	Apply building codes and standards to residential buildings	30
CPCCSV5012A	Assess timber-framed designs for one and two storey buildings	40
CPCCSV5013A	Apply principles of energy efficient design to buildings	30
CPCCSV5014A	Apply building surveying procedures to residential buildings	30
CPCCSV5015A	Assess structural requirements for domestic scale buildings	40
CPCCSV6001A	Assess the construction of buildings up to three storeys	40
CPCCSV6002A	Produce working drawings for buildings up to three storeys	60
CPCCSV6003A	Assess construction faults in buildings up to three storeys	20
CPCCSV6004A	Apply footing and geomechanical design principles to buildings up to three storeys	20
CPCCSV6005A	Evaluate services layout and connection methods for residential and commercial buildings up to three storeys	30
CPCCSV6006A	Evaluate the use of concrete for residential and commercial buildings up to three storeys	30
CPCCSV6007A	Assess structural requirements for buildings up to three storeys	40
CPCCSV6008A	Apply building codes and standards to buildings up to three storeys	60
CPCCSV6009A	Implement performance-based codes and risk management principles for buildings up to three storeys	60
CPCCSV6010A	Apply fire technology to buildings up to three storeys	40

CPCCSV6011A	Apply legal procedures to building surveying	40
CPCCSV6012A	Facilitate community development consultation	40
CPCCSV6013A	Coordinate building refurbishment	60
CPCCSV6014A	Manage and plan land use	30
CPCCSV6015A	Analyse and present building surveying research information	80
CPCCSV6016A	Apply building surveying procedures to buildings up to three storeys	60
CPCCVE1002B	Undertake a basic computer design project	24
CPCCVE1011A	Undertake a basic construction project	24
CPCCWC2001A	Complete penetrations and flashings	8
CPCCWC3001A	Install and finish plasterboard and fibre cement sheeting to curved walls and ceilings	40
CPCCWC3002A	Install and finish plasterboard and fibre cement sheeting to arches	40
CPCCWC3003A	Install dry wall passive fire-rated systems	80
CPCCWC3004A	Install suspended ceilings	80
CPCCWF2001A	Handle wall and floor tiling materials	16
CPCCWF2002A	Use wall and floor tiling tools and equipment	60
CPCCWF3001A	Prepare surfaces for tiling application	32
CPCCWF3002A	Fix floor tiles	120
CPCCWF3003A	Fix wall tiles	110
CPCCWF3004A	Repair wall and floor tiles	24
CPCCWF3005A	Carry out decorative tiling	40
CPCCWF3006A	Carry out mosaic tiling	40
CPCCWF3007A	Tile curved surfaces	80
CPCCWF3008A	Tile domestic pools and spas	80
CPCCWP2001A	Handle waterproofing materials	16
CPCCWP2002A	Use waterproofing tools and equipment	40
CPCCWP2003A	Prepare for construction waterproofing process	80
CPCCWP2004A	Prepare surfaces for waterproofing application	80
CPCCWP3001A	Apply waterproofing process to below ground level wet areas	40

CPCCW3002A	Apply waterproofing process to internal wet areas	16
CPCCW3003A	Apply waterproofing process to external wet areas	40
CPCCW3004A	Apply waterproofing remedial processes	32
CPCMCM7001A	Plan and manage complex projects	55
CPCMCM7002A	Manage the quality of projects and processes	70
CPCPCM2039A	Carry out interactive workplace communication	12
CPCPCM2040A	Read plans and calculate plumbing quantities	12
CPCPCM2041A	Work effectively in the plumbing and services sector	16
CPCPCM2043A	Carry out WHS requirements	34
CPCPCM2045A	Handle and store plumbing materials	12
CPCPCM2046A	Use plumbing hand and power tools	16
CPCPCM2047A	Carry out levelling	12
CPCPCM2048A	Cut and join sheet metal	16
CPCPCM2049A	Cut using oxy-LPG-acetylene equipment	8
CPCPCM2050A	Mark out materials	16
CPCPCM2052A	Weld using oxy-acetylene equipment	8
CPCPCM2053A	Weld using manual metal arc welding equipment	8
CPCPCM2054A	Carry out simple concreting and rendering	24
CPCPCM2055A	Work safely on roofs	15
CPCPCM3021A	Flash penetrations through roofs and walls	30
CPCPCM3022A	Weld polyethylene and polypropylene pipes using fusion method	8
CPCPCM3023A	Fabricate and install non-ferrous pressure piping	8
CPCPCM4011A	Carry out work-based risk control processes	40
CPCPCM4012A	Estimate and cost work	36
CPCPCM4013A	Produce 2-D architectural drawings using CAD software	40
CPCPCM4014A	Prepare simple sketches and drawings	20
CPCPCM5010A	Design complex sanitary plumbing and drainage systems	60
CPCPCM5011A	Design complex cold water systems	60

CPCPCM5012A	Design complex stormwater and roof drainage systems	40
CPCPCM5013A	Design complex (non-solar) heated water systems	60
CPCPCM5014A	Design sewer infrastructure systems	60
CPCPDR2021A	Locate and clear blockages	10
CPCPDR2022A	Install domestic treatment plants	12
CPCPDR2023A	Maintain effluent disinfection systems	12
CPCPDR2024A	Install stormwater and sub-soil drainage systems	12
CPCPDR2025A	Drain work site	10
CPCPDR2026A	Install prefabricated inspection openings and enclosures	20
CPCPDR3021A	Plan layout of a residential sanitary drainage system	32
CPCPDR3022A	Install below ground sanitary drainage systems	16
CPCPDR3023A	Install on-site disposal systems	12
CPCPDR4011B	Design and size sanitary drainage systems	100
CPCPDR4012B	Design and size stormwater drainage systems	32
CPCPDR4013B	Design and size domestic treatment plant disposal systems	20
CPCPFS2021A	Connect static storage tanks for fixed fire protection systems	52
CPCPFS2022A	Install portable fire equipment	12
CPCPFS3030A	Design pre-calculated fire sprinkler systems	24
CPCPFS3031A	Fabricate and install fire hydrant and hose reel systems	16
CPCPFS3034A	Install control valve assemblies, actuating devices and local alarms	60
CPCPFS3036A	Install special hazard systems	24
CPCPFS3037A	Install domestic and residential life safety sprinkler systems	54
CPCPFS3038A	Test and maintain fire hydrant and hose reel installations	36
CPCPFS3040A	Conduct basic functional testing of water-based fire-suppression systems	40
CPCPFS3041A	Inspect and test fire pumpsets	40
CPCPFS3042A	Conduct annual functional testing of complex water-based fire-suppression systems	60
CPCPFS3043A	Conduct functional water flow testing	32
CPCPFS3044A	Install distribution and range pipes	48

CPCPFS3045A	Fit off sprinkler heads, controls and ancillary equipment	24
CPCPFS3046A	Test the integrity of water-based fire protection systems using pressure	8
CPCPFS3047A	Test and maintain automatic fire sprinklers	40
CPCPFS3048A	Install fixed fire pumpsets	24
CPCPFS3049A	Conduct preventive maintenance on fixed fire pumpsets	30
CPCPFS4021A	Commission domestic and residential fire suppression sprinkler systems	52
CPCPFS4022A	Commission and maintain special hazard fire suppression systems	72
CPCPFS4023A	Commission fire system pumpsets	90
CPCPFS4024A	Design residential and domestic fire sprinkler systems	96
CPCPFS4025A	Commission fire alarm and detection system interface devices	60
CPCPFS4026A	Commission firefighting appliances	64
CPCPFS4027A	Commission fire sprinkler systems	55
CPCPFS5010A	Design fire-compliant hydraulic services	280
CPCPFS5011A	Design fire sprinkler systems	370
CPCPFS5012A	Design fire hydrant and hose reel systems	325
CPCPGS3046A	Install LPG systems in caravans, mobile homes and mobile workplaces	20
CPCPGS3047A	Install LPG systems in marine craft	4
CPCPGS3048A	Install gas pressure control equipment	12
CPCPGS3049A	Install Type A gas appliance flues	10
CPCPGS3050A	Install Type B gas appliance flues	4
CPCPGS3051A	Purge consumer piping	6
CPCPGS3052A	Maintain Type A gas appliances	8
CPCPGS3053A	Disconnect and reconnect Type A gas appliances	16
CPCPGS3054A	Calculate and install natural ventilation for Type A gas appliances	12
CPCPGS3055A	Install gas sub-meters	6
CPCPGS3056A	Install gas piping systems	24
CPCPGS3057A	Size consumer gas piping systems	12
CPCPGS3059A	Install LPG storage of aggregate storage capacity up to 500 litres	12

CPCPGS3060A	Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8KL	8
CPCPGS3061A	Install and commission Type A gas appliances	24
CPCPGS4011C	Design and size consumer gas installations	38
CPCPGS4022A	Service Type A gas appliances	150
CPCPGS4023B	Install, commission and service Type B gas appliances	95
CPCPIG2021A	Design domestic urban irrigation systems	4
CPCPIG3021A	Set out, install and commission irrigation systems	4
CPCPIG3022A	Install and commission domestic irrigation pumps	4
CPCPMS2021A	Assemble mechanical services components	12
CPCPMS3031A	Fabricate and install steel pressure piping	52
CPCPMS3032A	Select and fit insulation and sheathing	8
CPCPMS3033A	Install small bore heating systems	12
CPCPMS3034A	Install medical gas pipeline systems	20
CPCPMS3035A	Install and test ducting systems	12
CPCPMS3036A	Install air handling units	12
CPCPMS3037A	Install and test split system air conditioning	12
CPCPMS3038A	Install air conditioning control equipment	8
CPCPMS3039A	Maintain mechanical services equipment	8
CPCPMS3040A	Install and maintain evaporative air cooling systems	12
CPCPMS3041A	Install domestic solid fuel burning appliances	24
CPCPMS4011B	Design, size and lay out heating and cooling systems	96
CPCPMS4022A	Commission air and water systems	96
CPCPMS4023A	Design compressed air systems	50
CPCPMS5010A	Design steam generation and distribution systems	40
CPCPMS5011A	Design air conditioning and ventilation systems	40
CPCPMS5012A	Design sound attenuated hydraulic services	40
CPCPMS5013A	Design hydronic heating and cooling systems	80
CPCPPS5000B	Design gas bulk storage systems	80

CPCPPS5001B	Design industrial gas systems	255
CPCPPS5002B	Design gas reticulation systems	160
CPCPPS5009B	Analyse and report on technical plumbing systems	20
CPCPPS5011B	Coordinate services and penetrations within a building	40
CPCPPS5014A	Locate and maintain piping systems	8
CPCPPS5015B	Inspect plumbing and drainage systems	32
CPCPPS5023A	Design solar water heating systems	40
CPCPPS5024A	Conduct a water audit and identify water-saving initiatives	30
CPCPPS5025A	Design grey water re-use systems	30
CPCPPS5026A	Design rainwater collection, storage, distribution and re-use systems	30
CPCPPS5027A	Design irrigation systems	30
CPCPPS5028A	Design trade waste pre-treatment systems	30
CPCPPS5030A	Design pump systems	30
CPCPPS5032A	Design siphonic stormwater drainage systems	10
CPCPPS5033A	Design vacuum sewerage systems	10
CPCPRF2022A	Select and install roof sheeting and wall cladding	38
CPCPRF2023A	Collect and store roof water	24
CPCPRF2024A	Fabricate roof coverings for curved structures	16
CPCPRF3021A	Receive roofing materials	4
CPCPRF3022A	Fabricate and install roof drainage components	40
CPCPRF3023A	Fabricate and install external flashings	36
CPCPRF3024A	Install roof components	40
CPCPRF3025A	Install roof coverings to curved roof structures	24
CPCPRF3026A	Install composite roof systems	36
CPCPRF4011B	Design and size roof drainage systems	36
CPCPSN3011B	Plan layout of a residential sanitary plumbing system	16
CPCPSN3022A	Install discharge pipes	32
CPCPSN3023A	Fabricate and install sanitary stacks	24

CPCPSN3024A	Install and fit off sanitary fixtures	36
CPCPSN3025A	Install pre-treatment facilities	10
CPCPSN3026A	Install sewerage pumpsets	8
CPCPSN4011B	Design and size sanitary plumbing systems	60
CPCPWT3020A	Connect and install storage tanks to a domestic water supply	20
CPCPWT3021A	Set out and install water services	24
CPCPWT3022A	Install and adjust water service controls and devices	12
CPCPWT3023A	Install and commission water heating systems	32
CPCPWT3024A	Install and maintain domestic water treatment equipment	8
CPCPWT3025A	Install water pumpsets	8
CPCPWT3026A	Fit off and commission heated and cold water services	12
CPCPWT3027A	Connect irrigation systems from drinking water supply	8
CPCPWT3028A	Install water service	8
CPCPWT3029A	Install water pipe systems	72
CPCPWT3030A	Install home fire sprinkler systems	10
CPCPWT4011B	Design and size heated and cold water services and systems	50
CPCPWT4022A	Commission and maintain backflow prevention devices	30
CPCPWT4023A	Commission and maintain hot and heated water temperature control devices	24
CPCSFS5001A	Define scope and hazard level of fire systems design projects	35
CPCSFS5002A	Research and interpret detailed fire systems design project requirements	35
CPCSFS5003A	Develop plans and methodology for fire systems design projects	35
CPCSFS5005A	Research and evaluate fire system technologies and components	55
CPCSFS5006A	Create detailed designs for fire sprinkler systems	100
CPCSFS5007A	Create detailed designs for hydrant and hose reel systems	70
CPCSFS5008A	Create detailed designs for fire detection and warning systems	100
CPCSFS5009A	Create detailed designs for fire systems' water supplies	100
CPCSFS5010A	Provide documentation and support for fabrication of fire sprinkler systems	55
CPCSFS5011A	Provide design documentation and review and support fire system installation processes	55

CPCSFS5013A	Support commissioning processes and finalise fire systems design projects	70
CPCSFS5014A	Conduct annual fire systems certification inspections	90
CPCSFS5015A	Assess documentation for annual fire systems certification inspections	55
CPCSFS7001A	Define scope of and initiate special hazard fire systems design projects	120
CPCSFS7002A	Analyse, design and evaluate complex special hazard fire systems	70
CPCSFS7003A	Develop and submit tenders for fire systems design solutions	55
CPCSUS4001A	Implement and monitor environmentally sustainable work practices	40
CPCSUS4002A	Use building science principles to construct energy efficient buildings	35
CPCSUS4003A	Maximise energy efficiency through applied trade skills	35
CPCSUS5001A	Develop workplace policies and procedures for sustainability	40
CPCSUS5002A	Develop action plans to retrofit existing buildings for energy efficiency	35
CPCSUS5003A	Manage energy efficient building methods and strategies	60

Mapping Qualifications

The following table provides an overview of the qualifications from Version 9.20 which replace qualifications from the existing version of the CPC08 Construction, Plumbing and Services Training Package.

CPC08 Current Qualification			CPC08 Replacement Qualification			
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
No changes occurred between version 9.1 and 9.2						

Mapping Units of Competency

The following table provides an overview of the units of competency from Version 9.20 which replace units of competency from the existing version of the CPC08 Construction, Plumbing and Services Training Package.

CPC08 Current Unit				CPC08 Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
No changes occurred between version 9.1 and 9.2						