

CPC: Construction, Plumbing and Services
TRAINING PACKAGE
Version 9.1
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 CPC 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.

Version 9.1 of the CPC Construction, Plumbing and Services Training Package was released by Training.Gov.Au (TGA) on the 24/12/2024.

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 training package.

National Code	National Title	Nominal Hours
CPC10120	Certificate I in Construction	228
CPC20120	Certificate II in Construction	400
CPC20220	Certificate II in Construction Pathways	200
CPC20720	Certificate II in Drainage	344
CPC20822	Certificate II in Prefabricated Concrete Element Installation	384
CPC30120	Certificate III in Shopfitting	724
CPC30216	Certificate III in Signs and Graphics	566
CPC30220	Certificate III in Carpentry	1003
CPC30320	Certificate III in Concreting	674
CPC30420	Certificate III in Demolition	611
CPC30620	Certificate III in Painting and Decorating	906
CPC30720	Certificate III in Rigging	622
CPC30820	Certificate III in Roof Tiling	510
CPC30920	Certificate III in Scaffolding	377
CPC31020	Certificate III in Solid Plastering	783
CPC31120	Certificate III in Steelfixing	460
CPC31220	Certificate III in Wall and Ceiling Lining	833
CPC31320	Certificate III in Wall and Floor Tiling	801
CPC31420	Certificate III in Construction Waterproofing	568
CPC31920	Certificate III in Joinery	785
CPC32320	Certificate III in Stonemasonry	586
CPC32420	Certificate III in Plumbing	1182
CPC32620	Certificate III in Roof Plumbing	534

CPC32720	Certificate III in Gas Fitting	529
CPC32820	Certificate III in Fire Protection	900
CPC32920	Certificate III in Construction Crane Operations	780
CPC33020	Certificate III in Bricklaying and Blocklaying	815
CPC40120	Certificate IV in Building and Construction	825
CPC40320	Certificate IV in Building Project Support	620
CPC40820	Certificate IV in Swimming Pool and Spa Building	649
CPC40920	Certificate IV in Plumbing and Services	714
CPC41020	Certificate IV in Demolition	710
CPC50220	Diploma of Building and Construction (Building)	1585
CPC50320	Diploma of Building and Construction (Management)	745
CPC50520	Diploma of Fire Systems Design	682
CPC50620	Diploma of Hydraulic Services Design	840
CPC50722	Diploma of Construction Waterproofing Design and Survey	797
CPC60121	Advanced Diploma of Building Surveying	2120
CPC60220	Advanced Diploma of Building and Construction (Management)	570

Skill Sets and Nominal Hours

The following table provides a summary of the skill sets and nominal hours in the training package.

National Code	National Title	Nominal Hours
CPCSS00005	Provide Building Surveying Services for Residential Buildings up to Three Storeys	1060
CPCSS00006	Apply BIM Processes to Construction Work	75
CPCSS00007	Prefabricated Concrete Element Installation General Skill Set	150
CPCSS00008	Lift and Place Prefabricated Concrete Elements Skill Set	35
CPCSS00009	Inspect the Erection of Prefabricated Concrete Elements Skill Set	30
CPCSS00010	Design Waterproofing Skill Set	210
CPCSS00011	Design and Survey Waterproofing Skill Set	410

Units of Competency and Nominal Hours

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

National Code	National Title	Nominal Hours
CPCBIM4001	Plan to comply with BIM requirements for construction work	25
CPCBIM4002	Use BIM processes to carry out construction work	30
CPCBIM4003	Contribute to BIM deliverables for construction work	20
CPCCBC4001	Apply building codes and standards to the construction process for Class 1 and 10 buildings	18
CPCCBC4002	Manage work health and safety in the building and construction workplace	30
CPCCBC4003	Select, prepare and administer a construction contract	45
CPCCBC4004	Identify and produce estimated costs for building and construction projects	60
CPCCBC4005	Produce labour and material schedules for ordering	40
CPCCBC4006	Select, procure and store construction materials for building and construction projects	30
CPCCBC4007	Plan building and construction work	40
CPCCBC4008	Supervise site communication and administration processes for building and construction projects	20
CPCCBC4009	Apply legal requirements to building and construction projects	40
CPCCBC4010	Apply structural principles to residential and commercial constructions	180
CPCCBC4012	Read and interpret plans and specifications	40
CPCCBC4013	Prepare and evaluate tender documentation	30
CPCCBC4014	Prepare simple building sketches and drawings	60
CPCCBC4015	Prepare specifications for all construction works	20
CPCCBC4017	Arrange resources and prepare for the building and construction project	20
CPCCBC4018	Apply site surveys and set-out procedures to building and construction projects	40
CPCCBC4019	Apply sustainable building design principles to water management systems	40
CPCCBC4020	Build thermally efficient and sustainable structures	40
CPCCBC4021	Minimise waste on the building and construction site	20

CPCCBC4022	Supervise tilt-up work	40
CPCCBC4024	Resolve business disputes	20
CPCCBC4026	Arrange building applications and approvals	20
CPCCBC4027	Establish a basis for sales consulting	20
CPCCBC4028	Prepare design brief for construction works	20
CPCCBC4029	Apply construction information to the sales process	20
CPCCBC4030	Analyse and communicate industry information	20
CPCCBC4031	Process client requirements	30
CPCCBC4032	Apply contract law to sales processes	20
CPCCBC4033	Maintain the sales environment	20
CPCCBC4052	Lead and manage teams in the building and construction industry	45
CPCCBC4053	Apply building codes and standards to the construction process for Class 2 to 9 Type C buildings	22
CPCCBC5001	Apply building codes and standards to the construction process for Type B construction	40
CPCCBC5002	Monitor costing systems on complex building and construction projects	60
CPCCBC5003	Supervise the planning of on-site building and construction work	160
CPCCBC5004	Supervise and apply quality standards to the selection of building and construction materials	60
CPCCBC5005	Select and manage building and construction contractors	40
CPCCBC5006	Apply site surveys and set-out procedures to building projects up to three storeys	60
CPCCBC5007	Administer the legal obligations of a building and construction contractor	80
CPCCBC5009	Identify services layout and connection methods for Type B and C constructions	60
CPCCBC5010	Manage construction work	100
CPCCBC5011	Manage environmental management practices and processes in building and construction	100
CPCCBC5012	Manage the application and monitoring of energy conservation and management practices and processes	100
CPCCBC5013	Manage professional technical and legal reports on building and construction projects	60
CPCCBC5018	Apply structural principles to the construction of buildings up to three storeys	80
CPCCBC5019	Manage building and construction business finances	45
CPCCBC6001	Apply building codes and standards to the construction process for large building projects	40

CPCCBC6002	Generate and direct the development of new projects	160
CPCCBC6003	Establish, maintain and review contract administration procedures and frameworks	60
CPCCBC6005	Manage tender developments for major projects	40
CPCCBC6006	Manage the procurement and acquisition of resources for building and construction projects	40
CPCCBC6007	Develop, plan and implement building and construction environmental management processes	30
CPCCBC6008	Develop and implement an estimating and tendering system	60
CPCCBC6009	Develop, plan and implement a building and construction planning process	40
CPCCBC6010	Plan, develop and implement building and construction energy conservation and management processes	160
CPCCBC6011	Establish systems to develop and monitor building and construction costs	60
CPCCBC6012	Manage and administer development of documentation for building and construction projects	30
CPCCBC6013	Evaluate concrete performance for multi-storey buildings	60
CPCCBC6014	Apply structural principles to the construction of large, high-rise and complex buildings	100
CPCCBC6015	Apply building surveying procedures	50
CPCCBC6016	Assess construction faults in large building projects	50
CPCCBC6017	Evaluate services layout and connection methods for the planning of large building projects	80
CPCCBC6018	Manage processes for complying with legal obligations of a building and construction contractor	40
CPCCBL2001	Handle and prepare bricklaying and blocklaying materials	16
CPCCBL2002	Use bricklaying and blocklaying tools and equipment	30
CPCCBL3001	Lay paving	22
CPCCBL3002	Carry out masonry veneer construction	44
CPCCBL3003	Carry out cavity brick construction	64
CPCCBL3004	Construct masonry steps and stairs	32
CPCCBL3005	Lay masonry walls and corners	40
CPCCBL3006	Lay multi-thickness walls and piers	40
CPCCBL3007	Install glass blockwork	8
CPCCBL3009	Install flashings and damp proof course	8
CPCCBL3010	Construct masonry arches	80

CPCCBL3011	Construct curved walls	16
CPCCBL3012	Construct fireplaces and chimneys	60
CPCCBL3013	Construct masonry structural systems	32
CPCCBL3014	Install fire-rated masonry construction	16
CPCCBL3015	Construct decorative brickwork	40
CPCCBL3016	Construct battered masonry walls and piers	40
CPCCBL3017	Carry out tuck pointing and repointing to masonry	24
CPCCBL3018	Install aerated autoclaved concrete products	32
CPCCBS6101	Research and evaluate construction methods and materials for Class 1 and 10 buildings to three store	225
CPCCBS6102	Research and evaluate construction methods and materials for Class 2 to 9 buildings to three storeys	225
CPCCBS6103	Identify and apply legal and ethical requirements to building surveying functions	70
CPCCBS6104	Assess and advise on compliance of design documentation for Class 1 and 10 buildings to three storey	110
CPCCBS6105	Assess and advise on compliance of design documentation for Class 2 to 9 buildings to three storeys	80
CPCCBS6107	Prepare planning and development applications for buildings to three storeys	180
CPCCBS6108	Process building applications for Class 1 and 10 buildings to three storeys	85
CPCCBS6109	Process building applications for Class 2 to 9 buildings to three storeys	110
CPCCBS6110	Conduct and report on building surveying audits of Class 1 and 10 buildings to three storeys	85
CPCCBS6111	Conduct and report on building surveying audits of Class 2 to 9 buildings to three storeys	270
CPCCBS6112	Conduct and report on initial construction inspections of Class 1 and 10 buildings to three storeys	100
CPCCBS6113	Conduct and report on initial construction inspections of Class 2 to 9 buildings to three storeys	110
CPCCBS6114	Conduct and report on advanced and final inspections of Class 1 and 10 buildings to three storeys	70
CPCCBS6115	Conduct and report on advanced and final inspections of Class 2 to 9 buildings to three storeys	70
CPCCBS6116	Assess and advise on performance solutions for Class 2 to 9 buildings to three storeys	80
CPCCBS6117	Monitor and advise on construction and compliance upgrade work on buildings to three storeys	80
CPCCBS6118	Assess and advise on performance solutions for Class 1 and 10 buildings to three storeys	80
CPCCCA2002	Use carpentry tools and equipment	52

CPCCCA2011	Handle carpentry materials	16
CPCCCA3001	Carry out general demolition of minor building structures	24
CPCCCA3002	Carry out setting out	12
CPCCCA3003	Install flooring systems	40
CPCCCA3004	Construct and erect wall frames	40
CPCCCA3005	Construct ceiling frames	24
CPCCCA3006	Erect roof trusses	40
CPCCCA3007	Construct pitched roofs	36
CPCCCA3008	Construct eaves	20
CPCCCA3009	Construct advanced roofs	80
CPCCCA3010	Install windows and doors	32
CPCCCA3011	Refurbish timber sashes to window frames	16
CPCCCA3012	Frame and fit wet area fixtures	24
CPCCCA3014	Construct and install bulkheads	40
CPCCCA3016	Construct, assemble and install timber external stairs	40
CPCCCA3017	Install exterior cladding	40
CPCCCA3018	Construct, erect and dismantle formwork for stairs and ramps	40
CPCCCA3019	Erect and dismantle formwork to suspended slabs, columns, beams and walls	48
CPCCCA3020	Erect and dismantle jump form formwork	60
CPCCCA3022	Install curtain walling	40
CPCCCA3024	Install lining, panelling and moulding	35
CPCCCA3025	Read and interpret plans, specifications and drawings for carpentry work	30
CPCCCA3026	Assemble partitions	30
CPCCCA3027	Set up, operate and maintain indirect action powder-actuated power tools	20
CPCCCA3028	Erect and dismantle formwork for footings and slabs on ground	24
CPCCCM1011	Undertake basic estimation and costing	14
CPCCCM2002	Carry out hand excavation	16

CPCCCM2004	Handle construction materials	16
CPCCCM2005	Use construction tools and equipment	40
CPCCCM2006	Apply basic levelling procedures	16
CPCCCM2007	Use explosive power tools	8
CPCCCM2008	Erect and dismantle restricted height scaffolding	16
CPCCCM2009	Carry out basic demolition	16
CPCCCM2010	Work safely on scaffolding higher than two metres	16
CPCCCM2012	Work safely at heights	16
CPCCCM2013	Undertake basic installation of wall tiles	110
CPCCCM3001	Operate elevated work platforms up to 11 metres	16
CPCCCM3002	Operate a truck-mounted loading crane	32
CPCCCM3003	Work safely around electrical sources, services and assets	32
CPCCCM3004	Identify and apply information in construction plans, drawings and specifications	25
CPCCCM3005	Calculate costs of construction work	20
CPCCCO2013	Carry out concreting to simple forms	24
CPCCCO2014	Carry out concrete work	40
CPCCCO4001	Supervise concreting work	35
CPCCDE3014	Remove non-friable asbestos	25
CPCCDE3015	Remove friable asbestos	25
CPCCDE3016	Identify hazards on demolition sites and apply risk management strategies	35
CPCCDE3017	Select and use hand tools and equipment for demolition tasks	35
CPCCDE3018	Select and use small plant and equipment for demolition tasks	30
CPCCDE3019	Demolish small buildings and structures using hand tools and small plant and equipment	35
CPCCDE3020	Select and use tools and equipment for hot work in the demolition industry	45
CPCCDE3021	Operate demolition material crushing plants	30
CPCCDE3022	Manage demolition recyclable waste materials and contaminated soil using load shifting equipment	35
CPCCDE3023	Operate skid steer loaders at ground level on demolition sites	70

CPCCDE3024	Operate mobile plant on suspended floors on demolition sites	70
CPCCDE3025	Operate remote-controlled plant on demolition sites	85
CPCCDE3026	Operate excavators at ground level to demolish building elements	180
CPCCDE3027	Read and interpret demolition site plans and drawings	25
CPCCDE4001	Plan and prepare for activities on demolition sites	60
CPCCDE4002	Plan demolition work to minimise risk to health, safety and environment	85
CPCCDE4003	Supervise operational activities on demolition sites	90
CPCCDE4004	Finalise demolition activities and supervise property handover	30
CPCCDE4005	Apply structural principles to the planning of the demolition of a structure	35
CPCCDE4006	Demolish stressed panel structure and pre-cast panel structure	110
CPCCDE4007	Manage waste streams	35
CPCCDE4008	Supervise asbestos removal	40
CPCCDE5001	Conduct air monitoring and clearance inspections for asbestos removal work	30
CPCCDO2011	Handle and position dogging tools and equipment	16
CPCCDO3011	Perform dogging	32
CPCCDO3012	Perform crane scheduling	40
CPCCJN2001	Assemble components	32
CPCCJN2003	Package manufactured products for transport	6
CPCCJN3002	Use computer-controlled machinery	32
CPCCJN3003	Manufacture components for doors, windows and frames	22
CPCCJN3004	Manufacture and assemble joinery components	40
CPCCJN3005	Cut and install glass	8
CPCCJN3100	Process materials to produce components using static machines	25
CPCCJS3002	Manufacture stair components for straight flighted stairs	20
CPCCJS3003	Assemble and install stairs	12
CPCCJS3004	Manufacture and install continuous handrailing and special stair components	40
CPCCJS3005	Manufacture stair components for curved and geometric stairs	56

CPCCJS3006	Construct, assemble and install composite external stairs	24
CPCCJS3011	Design and set out stairs	40
CPCCLBM3001	Licence to operate a concrete placing boom	155
CPCCLDG3001	Licence to perform dogging	80
CPCCLHS3001	Licence to operate a personnel and materials hoist	32
CPCCLHS3002	Licence to operate a materials hoist	20
CPCCLRG3001	Licence to perform rigging basic level	96
CPCCLRG3002	Licence to perform rigging intermediate level	24
CPCCLRG4001	Licence to perform rigging advanced level	24
CPCCLSF2001	Licence to erect, alter and dismantle scaffolding basic level	40
CPCCLSF3001	Licence to erect, alter and dismantle scaffolding intermediate level	40
CPCCLSF4001	Licence to erect, alter and dismantle scaffolding advanced level	40
CPCCLTC4001	Licence to operate a tower crane	40
CPCCLTC4002	Licence to operate a self-erecting tower crane	80
CPCCOM1012	Work effectively and sustainably in the construction industry	16
CPCCOM1013	Plan and organise work	16
CPCCOM1014	Conduct workplace communication	16
CPCCOM1015	Carry out measurements and calculations	16
CPCCOM1016	Identify requirements for safe precast and tilt-up work	8
CPCCOM1017	Prepare simple construction sketches	20
CPCCOM2001	Read and interpret plans and specifications	32
CPCCOM3001	Perform construction calculations to determine carpentry material requirements	25
CPCCOM3006	Carry out levelling operations	24
CPCCON2021	Handle concreting materials and components	16
CPCCON2022	Select, use and maintain concreting plant, tools and equipment	40
CPCCON3035	Determine concrete supply requirements	50
CPCCON3036	Plan concrete work and brief team	35

CPCCON3041	Place concrete	100
CPCCON3042	Finish concrete	100
CPCCON3043	Cure concrete	16
CPCCON3044	Apply decorative finishes to concrete	20
CPCCON3046	Repair and rectify concrete	32
CPCCON3047	Cut concrete	12
CPCCON3048	Construct tilt panels on site	40
CPCCON3049	Apply and finish sprayed concrete	16
CPCCON3050	Carry out high-performance concreting	16
CPCCON3051	Conduct off-form vertical concrete operations	32
CPCCON3052	Conduct concrete boom delivery operations	80
CPCCON3053	Slump-test concrete	32
CPCCON3054	Operate concrete agitator trucks	32
CPCCON3055	Install topping slabs	16
CPCCON3056	Conduct concrete pump delivery operations	145
CPCCON3057	Core concrete	12
CPCCPA3001	Prepare subgrade, base and bedding course for segmental paving	16
CPCCPA3002	Lay segmental paving	8
CPCCPA3003	Cut segmental paving	8
CPCCPA3004	Finish segmental paving	4
CPCCPA3005	Maintain and repair segmental paving	4
CPCCPB3001	Fix standard plasterboard wall sheets	40
CPCCPB3002	Fix standard plasterboard ceiling sheets	40
CPCCPB3003	Fix battens	20
CPCCPB3004	Fix wet area sheets	40
CPCCPB3005	Fix ceiling sheets to external protected areas	40
CPCCPB3006	Fix fibre cement board	30

CPCCPB3007	Apply levels of finish standards to planning and inspection of own work	20
CPCCPB3008	Mix plastering compounds	10
CPCCPB3009	Finish plasterboard joints manually	15
CPCCPB3010	Manually sand plaster work	10
CPCCPB3012	Cut and fix paper-faced cornices	15
CPCCPB3014	Install bulk insulation and pliable membrane products	25
CPCCPB3015	Install acoustic and thermal environmental protection systems	20
CPCCPB3016	Install and finish columns	30
CPCCPB3017	Rectify faults in drywall applications	15
CPCCPB3018	Use vacuum and electric sanding equipment to finish plaster work	15
CPCCPB3019	Inspect equipment for serviceability	30
CPCCPB3020	Match, mitre and install cast ornamental cornices	40
CPCCPB3021	Install and fix residential acoustic plaster products	30
CPCCPB3022	Use mechanical jointing equipment to finish joints	20
CPCCPB3026	Erect and maintain trestle and plank systems	25
CPCCPB3027	Install ceiling insulation products	25
CPCCPD2011	Handle and store painting and decorating materials	8
CPCCPD2012	Use painting and decorating tools and equipment	40
CPCCPD2013	Remove and replace doors and door and window components	10
CPCCPD3021	Prepare existing coated surface for painting	56
CPCCPD3022	Apply paint by brush and roller	75
CPCCPD3023	Apply texture coat paint finishes by brush, roller and spray	24
CPCCPD3024	Apply paint by spray	80
CPCCPD3025	Match specific paint colours	44
CPCCPD3026	Apply stains and clear timber finishes	38
CPCCPD3027	Remove and apply wallpaper	80
CPCCPD3028	Apply decorative paint finishes	50

CPCCPD3029	Remove graffiti and apply anti-graffiti coatings	24
CPCCPD3030	Apply protective paint coating systems	24
CPCCPD3031	Work safely with lead-painted surfaces in the painting industry	16
CPCCPD3032	Apply advanced wall coverings	24
CPCCPD3033	Apply intumescent coatings	16
CPCCPD3034	Apply advanced decorative paint finishes	50
CPCCPD3035	Prepare uncoated surfaces for painting	25
CPCCPD3036	Work safely to encapsulate non-friable asbestos in the painting industry	16
CPCCRI3001	Operate personnel and materials hoists	24
CPCCRI3012	Perform basic rigging	40
CPCCRI3013	Perform intermediate rigging	40
CPCCRI3014	Perform advanced structural steel erection	24
CPCCRI3015	Perform advanced tilt-up slab erection	32
CPCCRI3016	Perform advanced tower crane erection	20
CPCCRT2001	Handle roof tiling materials	16
CPCCRT2002	Use roof tiling tools and equipment	44
CPCCRT3001	Tile regular roofs	80
CPCCRT3002	Tile irregular roofs	60
CPCCRT3003	Repair and replace valleys, valley irons and flashings	8
CPCCRT3004	Repair and renovate tile roofs	24
CPCCRT3005	Slate a roof	48
CPCCRT3006	Fix shingles to roofs and facades	24
CPCCSC2001	Handle and position scaffolding tools, equipment and components	32
CPCCSC2002	Erect and dismantle basic scaffolding	40
CPCCSC3001	Erect and dismantle intermediate scaffolding	40
CPCCSF2001	Handle steelfixing materials	32
CPCCSF2002	Use steelfixing tools and equipment	60

CPCCSF2003	Cut and bend materials using oxy-LPG equipment	20
CPCCSF2004	Place and fix reinforcement materials	40
CPCCSF2005	Arc weld reinforcement steel	32
CPCCSF2006	Machine-cut reinforcement materials	16
CPCCSF2007	Splice and anchor using mechanical methods	50
CPCCSF3001	Apply reinforcement schedule	16
CPCCSF3002	Carry out monostrand post-tensioning	40
CPCCSF3003	Carry out multistrand post-tensioning	40
CPCCSF3004	Carry out stressbar post-tensioning	20
CPCCSG3001	Design and lay out digital signs for production	55
CPCCSG3002	Produce and apply vinyl signs	45
CPCCSG3003	Colour manage signs	20
CPCCSG3004	Print digital signs	55
CPCCSG3005	Engrave signs	35
CPCCSG3006	Apply gilding to signs	40
CPCCSG3007	Paint lines and scrolls	26
CPCCSG3008	Hand draw chalkboards and showcards	32
CPCCSG3009	Screen-print signs	32
CPCCSG3010	Hand render pictorials	32
CPCCSG3011	Install LED technology into signs	45
CPCCSG3012	Fabricate signs	60
CPCCSG3013	Paint letters and decorative effects for signs	85
CPCCSG3014	Manufacture gas-charged glass-formed illuminated signs	200
CPCCSG3015	Produce airbrushed signs	25
CPCCSG3016	Prepare surfaces for signs	16
CPCCSG3017	Erect and install signs	25
CPCCSH2003	Apply and install sealant and sealant devices	4

CPCCSP2001	Handle solid plastering materials	24
CPCCSP2002	Use solid plastering tools and equipment	64
CPCCSP2003	Prepare surfaces for plastering	24
CPCCSP3001	Apply float and render to straight and curved surfaces	120
CPCCSP3002	Apply set coats	80
CPCCSP3003	Apply trowelled texture coat finishes	80
CPCCSP3004	Restore and renovate solid plasterwork	120
CPCCSP3005	Install pre-cast decorative mouldings	40
CPCCSP3006	Install cast plaster blockwork and wall sheet panels	16
CPCCSP3007	Apply plaster by projection machine	32
CPCCSP3008	Carry out conite construction and wall sheet panelling	70
CPCCST2001	Prepare for stonemasonry construction process	24
CPCCST2003	Finish stone	24
CPCCST2004	Lay stone	32
CPCCST2005	Carry out load slinging of off-site materials	4
CPCCST2006	Identify and use stone products	4
CPCCST2007	Use stonemasonry tools, plant and equipment	85
CPCCST3001	Dress and mould stone	4
CPCCST3002	Shape solid stone	8
CPCCST3003	Spilt stone manually	4
CPCCST3004	Dress stone manually	24
CPCCST3006	Machine stone	12
CPCCST3007	Turn stone	26
CPCCST3009	Use computer-controlled static machinery to produce stone components	26
CPCCST3010	Set out and cut letters in stone	28
CPCCST3011	Plan monument construction	10
CPCCST3012	Build stone veneer walls	40

CPCCST3013	Carry out cemetery monument fixing	32
CPCCST3014	Set and anchor stone facades	28
CPCCST3015	Apply gilding to stone	16
CPCCST3016	Build solid stonemasonry walls	30
CPCCST3017	Construct stone arches	70
CPCCST3018	Inlay lead to stone	16
CPCCST3019	Lay stonemasonry stairs	25
CPCCST3020	Produce reconstituted stone	20
CPCCST3021	Restore stone work	70
CPCCST3022	Carry out profile work	28
CPCCST3023	Apply drawing principles to stonemasonry	25
CPCCST3024	Apply conservation principles and practices to heritage stonework	40
CPCCST3025	Carry out basic stonemasonry demolition	30
CPCCST4001	Prepare to undertake the heritage restoration process	40
CPCCST4002	Undertake the heritage restoration process	40
CPCCST4003	Undertake preparations for refractory work	15
CPCCST4004	Initiate the heritage works process	20
CPCCST4005	Prepare drawings for heritage works	40
CPCCST4006	Prepare report for heritage restoration work	20
CPCCST4007	Construct a fire brick wall and arch using refractory materials	30
CPCCSV5009	Assess the impact of fire on building materials	30
CPCCVE1002	Undertake a basic computer design project	24
CPCCVE1011	Undertake a basic construction project	24
CPCCWC2001	Complete penetrations and flashings	8
CPCCWC3001	Install and finish plasterboard and fibre cement sheeting to curved wall and ceiling substrates	40
CPCCWC3002	Install and finish plasterboard and fibre cement sheeting to arch substrate	40
CPCCWC3003	Install dry wall passive fire-rated systems	80

CPCCWC3004	Install suspended ceilings	80
CPCCWF2001	Handle wall and floor tiling materials	16
CPCCWF2002	Use wall and floor tiling tools and equipment	60
CPCCWF3001	Prepare surfaces for tiling application	32
CPCCWF3002	Install floor tiles	120
CPCCWF3003	Install wall tiles	110
CPCCWF3004	Repair wall and floor tiling	24
CPCCWF3005	Install decorative tiling	40
CPCCWF3006	Install mosaic tiling	40
CPCCWF3007	Tile curved surfaces	80
CPCCWF3008	Tile pools and spas	80
CPCCWF3009	Apply waterproofing for wall and floor tiling	70
CPCCWHS1001	Prepare to work safely in the construction industry	6
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry	32
CPCCWP2001	Handle waterproofing materials and components	16
CPCCWP2002	Use waterproofing tools and equipment	40
CPCCWP2004	Prepare surfaces for waterproofing application	80
CPCCWP3001	Apply waterproofing system to below ground level wet areas	40
CPCCWP3002	Apply waterproofing process to internal wet areas	16
CPCCWP3003	Apply waterproofing process to external above-ground wet areas	40
CPCCWP3004	Apply waterproofing remedial processes	32
CPCCWP3005	Assess construction waterproofing processes	80
CPCCWP5001	Design below ground waterproofing	70
CPCCWP5002	Design external above ground waterproofing	70
CPCCWP5003	Design waterproofing to internal wet area	70
CPCCWP5004	Determine origin of water and moisture ingress into buildings	55
CPCCWP5005	Prepare a scope of works for remedial waterproofing	35

CPCCW5006	Survey waterproofing systems	70
CPCMCM8001	Plan and manage complex projects	55
CPCMCM8002	Manage the quality of projects and processes	70
CPCPCM2039	Carry out interactive workplace communication	12
CPCPCM2040	Read plans, calculate quantities and mark out materials	25
CPCPCM2041	Work effectively in the plumbing services sector	16
CPCPCM2043	Carry out WHS requirements	34
CPCPCM2045	Handle and store plumbing materials	12
CPCPCM2046	Use plumbing hand and power tools	35
CPCPCM2047	Carry out levelling	12
CPCPCM2048	Cut and join sheet metal	16
CPCPCM2049	Cut using oxy-acetylene equipment	8
CPCPCM2052	Weld mild steel using oxy-acetylene equipment	8
CPCPCM2053	Weld using metal arc welding equipment	8
CPCPCM2054	Carry out simple concreting and rendering	24
CPCPCM2055	Work safely on roofs	15
CPCPCM3021	Flash penetrations through roofs and walls	30
CPCPCM3022	Weld polymer pipes using fusion method	8
CPCPCM3023	Fabricate and install non-ferrous pressure piping	16
CPCPCM3024	Prepare simple drawings	20
CPCPCM3025	Install trench support	16
CPCPCM4011	Carry out work-based risk control processes	40
CPCPCM4012	Estimate and cost work	36
CPCPCM4013	Produce 2-D architectural drawings using design software	40
CPCPCM4015	Access and interpret regulatory requirements for the plumbing and services industry	15
CPCPCM5010	Design complex sanitary plumbing and drainage systems	60
CPCPCM5011	Design complex cold water systems	60

CPCPCM5012	Design complex stormwater and roof drainage systems	40
CPCPCM5013	Design complex (non-solar) heated water systems	60
CPCPCM5014	Design sewer infrastructure systems	60
CPCPDR2021	Locate and clear blockages	10
CPCPDR2025	Install stormwater and sub-soil drainage systems and drain work site	20
CPCPDR2026	Install prefabricated inspection openings and inspection chambers	20
CPCPDR3021	Plan layout and install below ground sanitary drainage systems	35
CPCPDR3023	Install on-site domestic wastewater treatment plants and disposal systems	25
CPCPDR3024	Maintain and service domestic treatment plants and onsite sewerage facilities	45
CPCPDR3025	Plan layout and install vacuum drainage systems	35
CPCPDR4011	Design and size sanitary drainage systems	100
CPCPDR4012	Design and size stormwater drainage systems	32
CPCPDR4013	Design and size domestic treatment plant disposal systems	20
CPCPFS2021	Connect static storage tanks for fixed fire protection systems	52
CPCPFS2022	Install portable fire equipment	12
CPCPFS3030	Design fire sprinkler systems using pre-calculated charts and tables	24
CPCPFS3031	Fabricate and install fire hydrant and hose reel systems	28
CPCPFS3034	Install control valve assemblies, actuating devices and local alarms	60
CPCPFS3036	Install special hazard systems	24
CPCPFS3037	Install residential life safety sprinkler systems	54
CPCPFS3038	Test and maintain fire hydrant and hose reel installations	36
CPCPFS3040	Conduct basic functional testing of water-based fire-suppression systems	40
CPCPFS3041	Inspect and test fire pumpsets	40
CPCPFS3042	Conduct annual routine service of complex water-based fire-suppression systems	60
CPCPFS3043	Conduct functional water flow testing	32
CPCPFS3044	Install distribution and range pipes	48
CPCPFS3045	Fit off sprinkler heads, controls and ancillary equipment	24

CPCPFS3046	Test the integrity of water-based fire protection systems using pressure	8
CPCPFS3047	Test and maintain automatic fire sprinklers	40
CPCPFS3048	Install fixed fire pumpsets	24
CPCPFS3049	Conduct preventive maintenance on fixed fire pumpsets	30
CPCPFS4021	Commission domestic and residential fire suppression sprinkler systems	52
CPCPFS4022	Commission and maintain special hazard fire suppression systems	72
CPCPFS4023	Commission fire system pumpsets	90
CPCPFS4024	Design residential fire sprinkler systems	96
CPCPFS4025	Commission fire alarm and detection system interface devices	60
CPCPFS4026	Commission firefighting appliances	64
CPCPFS4027	Commission fire sprinkler systems	55
CPCPFS5010	Design fire-compliant hydraulic services	280
CPCPFS5011	Design fire sprinkler systems	370
CPCPFS5012	Design fire hydrant and hose reel systems	325
CPCPGS3046	Install LPG systems in caravans, mobile homes and mobile workplaces	20
CPCPGS3047	Install LPG systems in marine craft	20
CPCPGS3048	Install gas pressure control equipment	12
CPCPGS3049	Install gas appliance flues	12
CPCPGS3051	Purge consumer piping	20
CPCPGS3052	Maintain Type A gas appliances	8
CPCPGS3053	Disconnect and reconnect Type A gas appliances	16
CPCPGS3054	Calculate and install natural ventilation for Type A gas appliances	12
CPCPGS3055	Install gas sub-meters	6
CPCPGS3056	Size and install consumer gas piping systems	30
CPCPGS3059	Install LPG storage of aggregate storage capacity up to 500 litres	12
CPCPGS3060	Install LPG storage of aggregate storage capacity exceeding 500 litres and less than 8 kl	8
CPCPGS3061	Install and commission Type A gas appliances	24

CPCPGS4011	Design and size consumer gas installations	70
CPCPGS4022	Service Type A gas appliances	150
CPCPGS4023	Install, commission and service Type B gas appliances	125
CPCPIG2021	Design domestic urban irrigation systems	4
CPCPIG3021	Set out, install and commission irrigation systems	8
CPCPIG3022	Install and commission domestic irrigation pumps	12
CPCPMS2021	Assemble mechanical services components	12
CPCPMS3031	Fabricate and install steel pressure piping	52
CPCPMS3032	Select and fit insulation and sheathing	8
CPCPMS3033	Install small bore heating systems	12
CPCPMS3034	Install and test medical gas pipeline systems	20
CPCPMS3035	Install and test ducting systems	12
CPCPMS3036	Install air handling units	12
CPCPMS3037	Install and commission a single head split system air conditioning	12
CPCPMS3038	Install air conditioning control equipment	8
CPCPMS3039	Maintain mechanical services equipment	8
CPCPMS3040	Install and commission evaporative air cooling systems	12
CPCPMS3041	Install domestic solid fuel burning appliances	20
CPCPMS4011	Design, size and lay out heating and cooling systems	96
CPCPMS4022	Commission air and water systems	96
CPCPMS4023	Design compressed air systems	50
CPCPMS5010	Design steam generation and distribution systems	40
CPCPMS5011	Design air conditioning and ventilation systems	40
CPCPMS5012	Design sound attenuated hydraulic services	40
CPCPMS5013	Design hydronic heating and cooling systems	80
CPCPPS5000	Design gas bulk storage systems	80
CPCPPS5001	Design industrial gas systems	255

CPCPPS5002	Design gas reticulation systems	160
CPCPPS5014	Locate and maintain piping systems	8
CPCPPS5015	Inspect plumbing and drainage systems	32
CPCPPS5023	Design solar water heating systems	40
CPCPPS5024	Conduct a water audit and identify water-saving initiatives	30
CPCPPS5025	Design grey water re-use systems	30
CPCPPS5026	Design rainwater collection, storage, distribution and re-use systems	30
CPCPPS5027	Design irrigation systems	30
CPCPPS5028	Design trade waste pre-treatment systems	30
CPCPPS5030	Design pump systems	30
CPCPPS5032	Design siphonic stormwater drainage systems	10
CPCPPS5033	Design vacuum drainage systems	10
CPCPRE2001	Brace and prop prefabricated concrete elements	25
CPCPRE2002	Remove temporary supports from prefabricated concrete elements	25
CPCPRE2003	Grout prefabricated concrete elements	35
CPCPRE2004	Caulk prefabricated concrete elements	20
CPCPRE3000	Lift and place prefabricated concrete elements	35
CPCPRE3001	Patch prefabricated components of concrete elements	45
CPCPRE4001	Inspect the erection of prefabricated concrete elements	30
CPCPRF2022	Select and install roof sheeting and wall cladding	25
CPCPRF2023	Collect and store roof water	24
CPCPRF2024	Fabricate roof coverings for curved structures	16
CPCPRF3021	Receive roofing materials	4
CPCPRF3022	Fabricate and install roof drainage systems	40
CPCPRF3023	Fabricate and install external flashings	36
CPCPRF3024	Install roof components	40
CPCPRF3025	Install roof coverings to curved roof structures	24

CPCPRF3026	Install roof sheets, wall cladding and complex flashings	25
CPCPRF3027	Select and install a heritage roof system	25
CPCPRF4011	Design and size roof drainage systems	36
CPCPSN3011	Plan the layout of a residential sanitary plumbing system and fabricate and install sanitary stacks	40
CPCPSN3022	Install discharge pipes	32
CPCPSN3025	Install pre-treatment facilities	10
CPCPSN3026	Install sewerage pumpsets	8
CPCPSN4011	Design and size sanitary plumbing systems	60
CPCPWT3020	Connect and install storage tanks to a domestic water supply	20
CPCPWT3021	Set out and install water services	24
CPCPWT3022	Install and commission water heating systems and adjust controls and devices	40
CPCPWT3024	Install and maintain domestic water treatment equipment	8
CPCPWT3025	Install water pumpsets	8
CPCPWT3026	Install and fit off sanitary fixtures, water services and adjust water service controls	40
CPCPWT3027	Install backflow prevention devices	8
CPCPWT3028	Install property service	8
CPCPWT3029	Install water pipe systems	72
CPCPWT3030	Install home fire sprinkler systems	10
CPCPWT4011	Design and size heated and cold-water services and systems	70
CPCPWT4022	Commission and maintain backflow prevention devices	30
CPCPWT4023	Commission and maintain hot and heated water temperature control devices	24
CPCSFS5001	Define scope and hazard level of fire systems design projects	35
CPCSFS5002	Research and interpret detailed fire systems design project requirements	35
CPCSFS5003	Develop plans and methodology for fire systems design projects	35
CPCSFS5005	Research and evaluate fire system technologies and components	55
CPCSFS5006	Create detailed designs for fire sprinkler systems	100
CPCSFS5007	Create detailed designs for hydrant and hose reel systems	70

CPCSFS5008	Create detailed designs for fire detection and warning systems	100
CPCSFS5009	Create detailed designs for fire systems' water supplies	100
CPCSFS5010	Provide documentation and support for fabrication of fire sprinkler systems	55
CPCSFS5011	Provide design documentation and review and support fire system installation processes	55
CPCSFS5013	Support commissioning processes and finalise fire systems design projects	70
CPCSFS5014	Conduct annual fire systems inspections	90
CPCSFS5015	Prepare documentation for annual fire systems inspections	55
CPCSFS5017	Create detailed designs for foam suppression systems	110
CPCSH3001	Fabricate shopfitting components using CNC machines	55
CPCSH3002	Fabricate and assemble shopfront structures	80
CPCSH3003	Assemble and install shopfront structures	40
CPCSH3004	Assemble internal shopfitting units and prepare for transport	70
CPCSH3005	Apply and trim decorative additions to shopfittings and components	40
CPCSH3006	Prepare shopfittings and surfaces and apply liquid finishes	35
CPCSH3007	Install prefabricated internal shopfitting units	30
CPCSH3008	Install internal shop walls and fixtures	65
CPCSH3009	Demolish shopfronts and bulkheads	25
CPCSH3010	Prepare shop floors for new coverings	35
CPCSIL2001	Use and maintain respiratory protective equipment	4
CPCSIL3001	Work with products and materials containing crystalline silica	25
CPCSIL4001	Supervise and manage work with products and materials generating respirable crystalline silica	20
CPCSPS4001	Investigate and prepare swimming pool site	35
CPCSPS4002	Select, procure and store construction materials for swimming pool and spa projects	30
CPCSPS4003	Install swimming pool and spa subsoil drainage	20
CPCSPS4004	Install swimming pool and spa circulation systems and components	25
CPCSPS4005	Install prefabricated fibreglass swimming pools	40
CPCSPS4006	Apply sprayed concrete to shape and finish swimming pools and spas	16

CPCSPS4007	Commission ancillary swimming pool and spa systems and hand over to client	15
CPCSPS4008	Install above-ground swimming pool	35
CPCSPS4009	Undertake interior finishing of swimming pools and spas	30
CPCSPS4010	Lay swimming pool and spa coping	35
CPCSPS4011	Install precast concrete swimming pools	40
CPCSUS4001	Implement and monitor environmentally sustainable work practices	40
CPCSUS4002	Use building science principles to construct energy efficient buildings	35
CPCSUS4003	Maximise energy efficiency through applied trade skills	35
CPCSUS5001	Develop workplace policies and procedures for sustainability	40
CPCSUS5002	Develop action plans to retrofit existing buildings for energy efficiency	35
CPCSUS5003	Manage energy efficient building methods and strategies	60
CPCWHS1001	Prepare to work safely in the construction industry	6
CPCWHS3001	Identify construction work hazards and select risk control strategies	25

Mapping Qualifications

The following table provides an overview of the qualifications from Version 9.1 which replace qualifications from the existing version of the CPC: Construction, Plumbing and Services Training Package.

CPC Current Qualification				CPC Replacement Qualification		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours

No Changes occurred between CPC v9 & v9.1

Mapping Skill Sets

The following table provides an overview of the skill sets from Version 9.1 which replace skill sets from the existing version of the CPC: Construction, Plumbing and Services Training Package.

CPC Current Skill Set				CPC Replacement Skill Set		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours

No Changes occurred between CPC v9 & v9.1

Mapping Units of Competency

The following table provides an overview of the units of competency from Version 9.1 which replace units of competency from the existing version of the CPC: Construction, Plumbing and Services Training Package.

CPC Current Unit				CPC Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours

No Changes occurred between CPC v9 & v9.1

Apprenticeships

The following table provides a summary of the apprenticeships that have been affected by changes in this CPC: Construction, Plumbing and Services Training Package update.

Please refer to the current *Register of Class A and B qualifications* found on the Department of Training and Workforce Development website for the official list of apprenticeships in Western Australia.

National Code	National Title	Apprenticeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
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No Changes occurred between CPC v9 & v9.1

Traineeships

The following table provides a summary of the traineeships that have been affected by changes in this CPC: Construction, Plumbing and Services Training Package update.

Please refer to the current *Register of Class A and B qualifications* found on the Department of Training and Workforce Development website for the official list of apprenticeships in Western Australia.

National Code	National Title	Traineeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
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No Changes occurred between CPC v9 & v9.1

Pre-Apprenticeships

The following table provides a summary of the pre-apprenticeships that have been affected by changes in this CPC: Construction, Plumbing and Services Training Package update.

Please refer to the current *list of pre-apprenticeship courses* found on the Job and Skills WA website for the official list of pre-apprenticeships in Western Australia.

National Code	National Title	Pre-Apprenticeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
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No Changes occurred between CPC v9 & v9.1