

# GENERAL CONSTRUCTION TRAINING PACKAGE

## BCG03 VERSION 3 & 4 PURCHASING GUIDE

**Western Australian Department of Education and Training**

**December 2007**

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## **Foreword**

This Purchasing Guide has been generated to enable the stakeholders in the Financial Services Industry in Western Australia to participate in the managed implementation of the National General Construction Training Package BCG03 V3 and 4.

Information within this Guide should provide guidance on how competency standards may be selected and applied to achieve suitable outcomes and qualifications, for and within an industry.

The General Construction Training Package BCG03 V3 and 4.0 was endorsed by Ministers for vocational education and training on 21 September 2007.

## Introduction

This Guide provides information that will facilitate the implementation of the General Construction Training Package BCG03 V3 and 4 in Western Australia.

The Guide should be read in conjunction with the **endorsed components** of the General Construction Training Package BCG03 V3 and 4.

The Guide provides information on:

- Transition arrangements
- Funding
- An allocation of nominal hours to units of competency and total hours for qualifications
- A mapping of current Traineeship and Apprenticeship courses to new qualifications
- A set of appropriate sample, or model, training programs at each AQF level
- An indication of availability of supporting materials for delivery of qualifications

## Version modification history

The version details of this endorsed Training Package are in the table below. The latest information is at the top of the table.

Version	Release Date	Modification History
4	8/12/06	<p>Four additional qualifications</p> <ul style="list-style-type: none"> <li>• BCG31706 Certificate III in Low Rise Structural Framing</li> <li>• BCG20206 Certificate II in Steel Fixing</li> <li>• BCG20306 Certificate II in Concreting</li> <li>• BCG20406 Certificate II in Stonemasonry</li> <li>•</li> </ul>
3	24/10/06	<p>Two additional qualifications</p> <ul style="list-style-type: none"> <li>• BCG31506 Certificate III in Formwork/Falsework</li> <li>• BCG31606 Certificate III in Wall &amp; Ceiling Lining (Plasterboard)</li> </ul> <p>Twenty-eight additional units of competency</p> <ul style="list-style-type: none"> <li>• BCGPB3001A Fix standard plasterboard wall sheets</li> <li>• BCGPB3002A Fix standard plasterboard ceiling sheets</li> <li>• BCGPB3003A Fix battens</li> <li>• BCGPB3004A Fix wet area sheets</li> <li>• BCPPB3005A Fix ceiling sheets to external protected areas</li> <li>• BCGPB3006A Fix fibre cement board</li> <li>• BCGPB3007A Apply levels of finish standards to planning and inspection of own work</li> <li>• BCGPB3008A Mix plastering compounds</li> <li>• BCGPB3009A Finish plasterboard joins by hand</li> <li>• BCGPB3010A Hand sand plaster work</li> <li>• BCGPB3011A Finish category 1 &amp; 2 wet areas</li> <li>• BCGPB3012A Cut and fix paper faced cornice</li> <li>• BCGPB3013A plan travel routes</li> <li>• BCGPB3014A Install batt insulation products</li> <li>• BCGPB3015A Set up, move and dismantle scaffolding up to 4 metres</li> <li>• BCGPB3016A Install and finish columns</li> <li>• BCGPB3017A Rectify faults in plaster applications</li> <li>• BCGPB3018A Use vacuum/electric sanding equipment to finish plaster work</li> <li>• BCGPB3019A Install PartiWall plaster products</li> <li>• BCGPB3020A Match, mitre and install cast ornamental cornice</li> <li>• BCGPB3021A Install and fix residential acoustic plaster products</li> <li>• BCGPB3022A Use mechanical jointing equipment to finish joints</li> <li>• BCGPB3023A Load and unload plaster related products</li> <li>• BCGPB3024A Use manual handling equipment to manoeuvre plaster products</li> <li>• BCGPB3025A Store plasterboard/products</li> <li>• BCGPB3026A Erect and maintain trestle and plank systems</li> <li>• BCGPB3027A Inspect equipment for serviceability</li> <li>• BCGCM1006A Work safely at heights</li> </ul>
2	24/8/06	Release of new volume to provide Certificate 4-6 qualifications
1	5/8/04	<p>Cat 1 change, delete core unit BCGCO2004B carry out concrete work for Certificate II in General Construction and insert new core unit BCGCO2003B Carry out concreting to simple forms</p> <p>Current entry BCGWC2004B Install cast plaster and paper faced cornices be amended to read BCGWC Install cast plaster and paper faced cornices</p>
1	18/6/04	Cat 1 change, replace unit BCGCO2004B Carry out concrete work as a core unit in Certificate III in Carpentry with unit BCGCO2003B Carry out concreting to simple forms
1	9/1/04	Primary release, based on revision of the BCG98 Package

## **Transition Arrangements**

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications within 12 months of endorsement of the Training Package by the National Training Quality Council (NTQC). A current accredited course, however, may be used until its accreditation expires.

An Amendment to Scope will be necessary where the industry area is not within scope. The Training Accreditation Council (TAC) will need to be advised of any new qualifications from the Training Package being delivered.

### **Transition to New Qualifications**

Students currently enrolled in a qualification in the General Construction Training Package BCG03 V3 and 4 should be permitted to complete the program they enrolled in initially, unless the move to the new/updated qualification from a Training Package can be made without disadvantage to a student.

## **Funding**

Some learners may only achieve a Statement of Attainment during their enrolment period with the RTO. Separate funding is not provided to assess the learner who has left his/her studies and then, at a later date, wants to complete an integrated assessment to achieve a certificate qualification. The RTO will be required to make special arrangements to issue the final qualification. This process may involve an invitation to the employer (if applicable) to participate in the assessment in the workplace.

## **Nominal Duration of Qualifications**

The maximum nominal hours are identified for each Training Package qualification. Nominal hours may vary within a qualification depending on the units of competency selected and the delivery strategies used; however, training delivery will not be funded beyond the maximum nominal hours indicated. Nominal hours are for structured training only and include both delivery and assessment.

### **Definition of nominal hours (supervised)**

The hours of supervised learning or training deemed necessary to cover the educational material in a training program when undertaken in standard classroom delivery mode. (*Source: A Glossary of Australian Vocational Education and Training Terms*).

## Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the General Construction Training Package BCG03 Version 3 and 4.

National ID	Qualification Title	Max Nominal Hours
BCG20206	Cert II in Steel Fixing	325
BCG20306	Cert II in Concreting	330
BCG20406	Cert II in Stonemasonry	420
BCG31506	Cert III in Formwork / Falsework	710
BCG31606	Cert III in Wall & Ceiling Lining (Plasterboard)	540
BCG31706	Cert III in Low Rise Structural Framing	560

## Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the General Construction Training Package BCG03.

National ID	Unit of Competency Title	Nominal Hours
BCGBC4001A	Apply building codes and standards to the construction process for low-rise building projects	40
BCGBC4002A	Manage Occupational Health and Safety in the building and construction workplace	30
BCGBC4003A	Select and prepare a construction contract	50
BCGBC4004A	Identify and produce estimated costs for building and construction projects	60
BCGBC4005A	Produce labour and material schedules for ordering	30
BCGBC4006A	Select, procure and store construction materials for low-rise projects	30
BCGBC4007A	Plan building or construction work	30
BCGBC4008A	Conduct on-site supervision of the building and construction project	20
BCGBC4009A	Apply legal requirements to building and construction projects	30
BCGBC4010A	Apply structural principles to residential low-rise constructions	120
BCGBC4011A	Apply structural principles to commercial low-rise constructions	80
BCGBC4012A	Read and interpret plans and specifications	40
BCGBC4013A	Prepare and evaluate tender documentation	30
BCGBC4014A	Prepare simple building sketches and drawings	60
BCGBC4015A	Prepare specifications for all construction works	20
BCGBC4016A	Administer a construction contract	30
BCGBC4017A	Arrange resources and prepare for the building or construction project	20
BCGBC4018A	Apply site surveys and set out procedures to building and construction projects	40
BCGBC4019A	Apply sustainable building design principles to water management systems	40
BCGBC4020A	Build thermally efficient and sustainable structures	40
BCGBC4021A	Minimise waste on the building and construction site	20
BCGBC4022A	Supervise tilt-up work	40
BCGBC4023A	Plan and undertake the site inspection and assessment of asbestos products and materials	30
BCGBC4024A	Resolve business disputes	20
BCGBC4025A	Manage personal work priorities and professional development	30
BCGBC4026A	Arrange building applications and approvals	20
BCGBC4027A	Establish a basis for sales consulting	20
BCGBC4028A	Prepare design brief for construction works	20
BCGBC4029A	Apply construction information to the sales process	20
BCGBC4030A	Analyse and communicate industry information	20
BCGBC4031A	Process client requirements	30
BCGBC4032A	Apply contract law to sales processes	20
BCGBC4033A	Maintain the sales environment	20
BCGBC4034A	Apply codes and standards to building trade and services contracting	40
BCGBC4035A	Initiate the heritage works process	20
BCGBC4036A	Prepare to undertake the heritage restoration process	40
BCGBC4037A	Prepare drawing for heritage works	40
BCGBC4038A	Prepare workplan for restoration work	20
BCGBC4039A	Undertake the heritage restoration process	40
BCGBC4040A	Prepare report for heritage restoration work	20
BCGBC4041A	Undertake preparations for refractory work	15
BCGBC4042A	Construct a fire brick wall and arch using refractory materials	30
BCGBC4043A	Operate a self erecting tower crane	40



National ID	Unit of Competency Title	Nominal Hours
BCGBC4044A	Operate a tower crane	64
BCGBC4045A	Perform rigging - advanced	100
BCGBC4046A	Erect and dismantle scaffolding - advanced	40
BCGBC4047A	Quality assure fire rated lining systems	40
BCGBC5001A	Apply building codes and standards to the construction process for medium-rise building projects	80
BCGBC5002A	Monitor building or construction costing systems on medium-rise building and construction projects	60
BCGBC5003A	Supervise the planning of on-site medium-rise building or construction work	160
BCGBC5004A	Supervise and apply quality standards to the selection of building and construction materials	60
BCGBC5005A	Select and manage building and construction contractors	40
BCGBC5006A	Apply site surveys and set out procedures to medium-rise building projects	60
BCGBC5007A	Administer the legal obligations of a building or construction contract	80
BCGBC5008A	Apply structural principles to the construction of medium-rise buildings	200
BCGBC5009A	Identify services layout and connection methods to medium-rise construction projects	60
BCGBC5010A	Manage construction work/projects	100
BCGBC5011A	Manage building or construction, environmental management practices and processes	100
BCGBC5012A	Manage the application and monitoring of energy conservation and management practices and processes	100
BCGBC5013A	Develop professional technical and legal reports on building and construction projects	60
BCGBC6001A	Apply building codes and standards to the construction process for large building projects	40
BCGBC6002A	Generate and direct the development of new projects	160
BCGBC6003A	Establish, maintain and review contract administration procedures and frameworks	60
BCGBC6004A	Manage the processes for legal obligations of a building or construction contract	40
BCGBC6005A	Manage tender developments for major projects	40
BCGBC6006A	Manage the procurement and acquisition of resources for building or construction projects	40
BCGBC6007A	Develop, plan and implement appropriate building or construction, environmental management practices	30
BCGBC6008A	Develop and implement an appropriate estimating and tendering system	60
BCGBC6009A	Develop, plan and implement an appropriate building or construction planning process	40
BCGBC6010A	Plan, develop and implement building or construction, energy conservation and management practices and processes	160
BCGBC6011A	Establish systems for the development and monitoring of building and construction costs	60
BCGBC6012A	Manage and administer development of documentation for building or construction projects	30
BCGBC6013A	Evaluate materials for multi-storey buildings	60
BCGBC6014A	Apply structural principles to the construction of large, high rise and complex buildings	100
BCGBC6015A	Apply building surveying procedures	50
BCGBC6016A	Assess construction faults in large building projects	50
BCGBC6017A	Evaluate services layout and connection methods for the planning of large building projects	80
BCGBL2001B	Handle and prepare bricklaying and blocklaying materials	16
BCGBL2002B	Use bricklaying and blocklaying tools and equipment	30
BCGBL3001B	Lay paving	22
BCGBL3002B	Carry out masonry veneer construction	44

National ID	Unit of Competency Title	Nominal Hours
BCGBL3003B	Carry out cavity brick construction	64
BCGBL3004B	Construct masonry steps and stairs	32
BCGBL3005B	Lay masonry walls and corners	40
BCGBL3006B	Lay multi-thickness walls and piers	40
BCGBL3007B	Install glass block work	8
BCGBL3008B	Install aerated autoclaved concrete (AAC) products	32
BCGBL3009B	Install flashings and damp proof course (DPC)	8
BCGBL3010B	Construct masonry arches	80
BCGBL3011B	Construct curved walls	16
BCGBL3012B	Construct fireplaces and chimneys	60
BCGBL3013B	Construct masonry structural systems	32
BCGBL3014B	Install fire rated masonry construction	16
BCGBL3015B	Construct decorative brickwork	40
BCGBL3016B	Construct battered masonry walls and piers	40
BCGBL3017B	Carry out tuck pointing to brickwork	24
BCGCA2001B	Handle carpentry materials	16
BCGCA2002B	Use carpentry tools and equipment	52
BCGCA2003B	Erect and dismantle formwork for footings and slabs on ground	32
BCGCA3001B	Carry out general demolition to minor building structures	24
BCGCA3002B	Carry out setting out	12
BCGCA3003B	Install flooring systems	40
BCGCA3004B	Construct wall frames	40
BCGCA3005B	Construct ceiling frames	24
BCGCA3006B	Erect roof trusses	40
BCGCA3007B	Construct a pitched roof	36
BCGCA3008B	Construct eaves	20
BCGCA3009B	Construct advanced roofs	80
BCGCA3010B	Install and replace windows and doors	32
BCGCA3011B	Refurbish timber sashes to window frames	16
BCGCA3012B	Frame and fit wet area fixtures	24
BCGCA3013B	Install lining, panelling and moulding	24
BCGCA3014B	Construct bulkheads	40
BCGCA3015B	Assemble partitions	40
BCGCA3016B	Construct timber external stairs	40
BCGCA3017B	Install exterior cladding	40
BCGCA3018B	Construct, erect and dismantle formwork for stairs and ramps	40
BCGCA3019B	Erect and dismantle formwork to suspended slabs, columns, beams and walls	48
BCGCA3020B	Erect and dismantle jump form formwork	60
BCGCA3021B	Erect and dismantle slip form formwork	60
BCGCA3022B	Install curtain walling	40
BCGCA3023B	Carry out levelling operations	24
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1003B	Plan and organise work	16
BCGCM1004B	Conduct workplace communication	16
BCGCM1005B	Carry out measurements and calculations	16
BCGCM1006A	Work safely at heights	16
BCGCM2001B	Read and interpret plans and specifications	32
BCGCM2002B	Carry out excavation	16
BCGCM2003B	Install trench support	18
BCGCM2004B	Handle construction materials	16
BCGCM2005B	Use construction tools and equipment	40

National ID	Unit of Competency Title	Nominal Hours
BCGCM2006B	Apply basic levelling procedures	16
BCGCM2007B	Use explosive power tools (EPT)	8
BCGCM2008B	Erect and dismantle restricted height scaffolding	16
BCGCM2009B	Carry out basic demolition	16
BCGCM3001B	Operate elevated work platforms	16
BCGCM3002B	Operate a truck mounted loading crane	32
BCGCM3003B	Work safely around power sources, services and assets	32
BCGCO2001B	Handle concreting materials	16
BCGCO2002B	Use concreting tools and equipment	40
BCGCO2003B	Carry out concreting to simple forms	24
BCGCO2004B	Carry out concrete work	40
BCGCO3001B	Place concrete	100
BCGCO3002B	Finish concrete	100
BCGCO3003B	Cure concrete	16
BCGCO3004B	Carry out decorative finishes to concrete	20
BCGCO3005B	Resurface concrete	16
BCGCO3006B	Carry out repair and rectification of concrete	32
BCGCO3007B	Cut and core concrete	16
BCGCO3008B	Carry out tilt panel construction	40
BCGCO3009B	Apply and finish sprayed concrete	16
BCGCO3010B	Carry out high performance concreting	16
BCGCO3011B	Off form vertical concrete	32
BCGCO3012B	Conduct concrete boom delivery operations	80
BCGCO3013B	Slump test concrete	32
BCGCO3014B	Conduct concrete agitator truck operations	32
BCGDE2001B	Use demolition tools and equipment	40
BCGDE2002B	Carry out manual general demolition	40
BCGDE3001B	Carry out mechanical general demolition	32
BCGDE3002B	Encapsulate and remove asbestos	40
BCGDE3003B	Operate crushing plant	30
BCGDO2001B	Safely handle and use dogging tools and equipment	16
BCGDO3001B	Perform dogging	80
BCGDO3002B	Perform crane scheduling	40
BCGPB3001A	Fix standard plasterboard wall sheets	40
BCGPB3002A	Fix standard plasterboard ceiling sheets	40
BCGPB3003A	Fix battens	20
BCGPB3004A	Fix wet area sheets	40
BCGPB3005A	Fix ceiling sheets to external protected areas	40
BCGPB3006A	Fix fibre cement board	30
BCGPB3007A	Apply levels of finish standards to planning and inspection of own work	20
BCGPB3008A	Mix plastering compounds	10
BCGPB3009A	Finish plasterboard joins by hand	15
BCGPB3010A	Hand sand plaster work	10
BCGPB3011A	Finish category 1 & 2 wet areas	30
BCGPB3012A	Cut and fix paper faced cornice	15
BCGPB3013A	Plan travel routes	20
BCGPB3014A	Install batt insulation products	25
BCGPB3015A	Set up, move and dismantle scaffolding up to 4 metres	30
BCGPB3016A	Install and finish columns	30
BCGPB3017A	Rectify faults in plaster applications	15
BCGPB3018A	Use vacuum/electric sanding equipment to finish plaster work	15
BCGPB3019A	Install PartiWall plaster products	35
BCGPB3020A	Match, mitre and install cast ornamental cornice	40

National ID	Unit of Competency Title	Nominal Hours
BCGPB3021A	Install and fix residential acoustic plaster products	30
BCGPB3022A	Use mechanical jointing equipment to finish joints	20
BCGPB3023A	Load and unload plaster and plaster related products	5
BCGPB3024A	Use manual handling equipment to manoeuvre plaster products	20
BCGPB3025A	Store plasterboard and related products	20
BCGPB3026A	Erect and maintain trestle and plank systems	25
BCGPB3027A	Inspect equipment for serviceability	30
BCGPD2001B	Handle painting and decorating materials	8
BCGPD2002B	Use painting and decorating tools and equipment	40
BCGPD2003B	Remove and replace doors and door and window furniture	4
BCGPD3001B	Prepare surfaces for painting	56
BCGPD3002B	Apply paint by brush and roller	68
BCGPD3003B	Apply texture coat paint finishes by brush, roller and spray	24
BCGPD3004B	Apply paint by spray	64
BCGPD3005B	Match specified paint colour	44
BCGPD3006B	Apply stains and clear timber finishes	28
BCGPD3007B	Apply wallpaper	48
BCGPD3008B	Apply decorative paint finishes	90
BCGPD3009B	Remove graffiti and apply protective coatings	24
BCGPD3010B	Apply protective paint coating systems	24
BCGPD3011B	Treat lead paint hazards	16
BCGPD3012B	Apply advanced wallpaper techniques	24
BCGRI3001B	Operate personnel and materials hoists	24
BCGRI3002B	Perform rigging - basic	40
BCGRI3003B	Perform rigging - intermediate	40
BCGRI3004B	Perform advanced structural steel erection	24
BCGRI3005B	Perform advanced tilt slab erection	32
BCGRI3006B	Perform advanced tower crane erection	20
BCGRT2001B	Handle roof tiling materials	16
BCGRT2002B	Use roof tiling tools and equipment	44
BCGRT3001B	Tile a regular roof	80
BCGRT3002B	Tile an irregular roof	60
BCGRT3003B	Repair and replace valleys, valley irons and flashings	8
BCGRT3004B	Repair and/or renovate tile roofs	24
BCGRT3005B	Slate a roof	48
BCGRT3006B	Fix shingles to roofs and facades	24
BCGSC2001B	Safely handle and use scaffolding tools and equipment	32
BCGSC2002B	Erect and dismantle scaffolding - basic	40
BCGSC3001B	Erect and dismantle scaffolding - intermediate	40
BCGSF2001B	Handle steelfixing materials	32
BCGSF2002B	Use steelfixing tools and equipment	60
BCGSF2003B	Cut and bend materials using Oxy/LPG equipment	20
BCGSF2004B	Place and fix reinforcement materials	40
BCGSF2005B	Arc weld reinforcement steel	32
BCGSF2006B	Machine cut reinforcement materials	16
BCGSF2007B	Splice and anchor using mechanical methods	50
BCGSF3001B	Apply reinforcement schedule	16
BCGSF3002B	Carry out monostrand post tensioning	40
BCGSF3003B	Carry out multistrand post tensioning	40
BCGSF3004B	Carry out stressbar post tensioning	20
BCGSP2001B	Handle solid plastering materials	24
BCGSP2002B	Use solid plastering tools and equipment	64
BCGSP2003B	Prepare surfaces for plastering	24

National ID	Unit of Competency Title	Nominal Hours
BCGSP3001B	Apply float and render to straight and curved surfaces	120
BCGSP3002B	Apply set coats	80
BCGSP3003B	Apply trowelled texture coat finishes	80
BCGSP3004B	Restore and renovate solid plasterwork	120
BCGSP3005B	Install pre-cast decorative mouldings	40
BCGSP3006B	Install cast plaster blockwork	16
BCGSP3007B	Apply plaster by projection machine	32
BCGSV5001A	Assess the construction of domestic scale buildings	60
BCGSV5002A	Evaluate materials for construction of domestic scale buildings	70
BCGSV5003A	Produce working drawings for residential buildings	120
BCGSV5004A	Apply legislation to urban development and building controls	30
BCGSV5005A	Apply footing and geomechanical design principles to domestic scale buildings	30
BCGSV5006A	Assess construction faults in residential buildings	60
BCGSV5007A	Undertake site surveys and set out procedures for building projects	80
BCGSV5008A	Apply building control legislation to building surveying	30
BCGSV5009A	Assess the impact of fire on building materials	30
BCGSV5010A	Interact with clients in a regulated environment	30
BCGSV5011A	Apply building codes and standards to residential buildings	30
BCGSV5012A	Assess timber framed designs for one and two storey buildings	40
BCGSV5013A	Apply principles of energy efficient design to buildings	30
BCGSV5014A	Apply building surveying procedures to residential buildings	30
BCGSV5015A	Assess structural requirements for domestic scale buildings	40
BCGSV6001A	Assess the construction of buildings up to three (3) storeys	40
BCGSV6002A	Produce working drawings for buildings up to 3 storeys	60
BCGSV6003A	Assess construction faults in buildings up to 3 storeys	20
BCGSV6004A	Apply footing and geomechanical design principles to buildings up to 3 storeys	20
BCGSV6005A	Evaluate services layout and connection methods for residential and commercial buildings up to 3 storeys	30
BCGSV6006A	Evaluate the use of concrete for residential and commercial buildings up to three (3) storeys	30
BCGSV6007A	Assess structural requirements for buildings up to 3 storeys	40
BCGSV6008A	Apply building codes and standards to buildings up to 3 storeys	60
BCGSV6009A	Implement performance based codes and risk management principles for buildings up to 3 storeys	60
BCGSV6010A	Apply fire technology to buildings up to 3 storeys	40
BCGSV6011A	Apply legal procedures to building surveying	40
BCGSV6012A	Facilitate community development consultation	40
BCGSV6013A	Co-ordinate asset refurbishment	60
BCGSV6014A	Manage and plan land use	30
BCGSV6015A	Analyse and present building surveying research information	80
BCGSV6016A	Apply building surveying procedures to buildings up to three (3) storeys	60
BCGVE1001B	Handle construction materials	8
BCGVE1002B	Undertake a basic construction project	24
BCGVE1003B	Undertake a basic computer design project	24
BCGVE1004B	Undertake basic estimation and costing	14
BCGVE2001B	Produce construction drawings	16
BCGWC2001B	Handle wall and ceiling lining materials	40
BCGWC2002B	Use wall and ceiling lining tools and equipment	40
BCGWC2003B	Install and finish plasterboard and fibre cement sheeting to flat walls and ceilings	80
BCGWC2004B	Complete penetrations and flashings	8
BCGWC3001B	Install wet area lining systems	32

National ID	Unit of Competency Title	Nominal Hours
BCGWC3002B	Install and finish plasterboard and fibre cement sheeting to curved walls and ceilings	40
BCGWC3003B	Install and finish plasterboard and fibre cement sheeting to arches	40
BCGWC3004B	Install cast plaster and paper faced cornices	16
BCGWC3005B	Install dry wall passive fire-rated systems	80
BCGWC3006B	Install acoustic and thermal environmental protection systems	20
BCGWC3007B	Install suspended ceilings	80
BCGWF2001B	Handle wall and floor tiling materials	16
BCGWF2002B	Use wall and floor tiling tools and equipment	60
BCGWF3001B	Prepare surfaces for tiling application	32
BCGWF3002B	Fix floor tiles	120
BCGWF3003B	Fix wall tiles	110
BCGWF3004B	Repair wall and floor tiles	24
BCGWF3005B	Carry out decorative tiling	40
BCGWF3007B	Tile curved surfaces	80
BCGWF3008B	Tile domestic pools and spas	80
BCGWP2001B	Handle waterproofing materials	16
BCGWP2002B	Use waterproofing tools and equipment	40
BCGWP2003B	Prepare for construction process (Waterproofing)	80
BCGWP2004B	Prepare surfaces for waterproofing application	80
BCGWP3001B	Apply waterproofing process to below ground level wet areas	40
BCGWP3002B	Apply waterproofing process to internal wet areas	16
BCGWP3003B	Apply waterproofing process to external wet areas	40
BCGWP3004B	Apply waterproofing remedial processes	32

## **Examples of Training Package Programs**

Units of competency may be customised so that the tasks involved in demonstrating competence are designed to meet the requirements of an individual enterprise or to satisfy regulations in a particular state or territory.

Each qualification in the General Construction Training Package BCG03 Version 3 and 4 may be customised to meet the context in which the training is taking place. A qualification can also be customised to accommodate a learner's chosen career pathway.

The following are examples of suitable training programs for General Construction Training Package BCG03 Version 3 and 4. The models are not intended to be prescriptive but illustrate ways that qualifications can be achieved.

## BCG20206 – Certificate II in Steel Fixing

<b>Qualification Title</b>	Certificate II in Steel Fixing
<b>Qualification Code</b>	BCG20206
<b>Qualification Packaging Rules</b>	<p>To achieve a Certificate II in Steel Fixing:                      13 Units in total                      11 Core Units and                      a minimum of 2 Elective units</p> <p><i>Note: One elective unit may be substituted from other qualifications within the General Construction Training Package or from other endorsed Training Packages.</i></p>

The following table outlines ONE example of a training program for this qualification. Please refer to the BCG03 General Construction Training Package for the full details of available options.

Unit Code	Unit Title	Nominal Hours
<b>Core Units – Prepare for Steel Fixing</b>		
BCGCM1003B	Plan and organise work	16
BCGCM1005B	Carry out measurements and calculations	16
BCGCM2001B	Read and interpret plans and specifications	32
<b>Core Units – Safety and Induction</b>		
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1004B	Conduct workplace communication	16
BCGCM1006A	Work safely at heights	16
<b>Core Units – Steel Fixing Operations</b>		
BCGSF2001B	Handle steelfixing materials	32
BCGSF2002B	Use steelfixing tools and equipment	60
BCGSF2004B	Place and fix reinforcement materials	40
BCGSF3001B	Apply reinforcement schedule	16
<b>Elective Units</b>		
BCPCM2013A	Weld using arc welding equipment	8
BCCCM2009B	Work in confined spaces	24
<b>TOTAL</b>		<b>324</b>



## BCG20306 – Certificate II in Concreting

<b>Qualification Title</b>	Certificate II in Concreting
<b>Qualification Code</b>	BCG20306
<b>Qualification Packaging Rules</b>	<p>To achieve a Certificate II in Concreting:</p> <p>12 Units in total 10 Core Units and a minimum of 2 Elective units</p> <p><i>Note: One elective unit may be substituted from other qualifications within the General Construction Training Package or from other endorsed Training Packages</i></p>

The following table outlines ONE example of a training program for this qualification. Please refer to the BCG03 General Construction Training Package for the full details of available options.

Unit Code	Unit Title	Nominal Hours
<b>Core Units – Concreting Operations</b>		
BCGCO2003B	Carry out concreting to simple forms	24
BCGCM2006B	Apply basic levelling procedures	16
BCGCO3012B	Conduct concrete boom delivery operations	80
<b>Core Units – Prepare Concreting</b>		
BCGCM1003B	Plan and organise work	16
BCGCO2001B	Handle concreting materials	16
BCGCO2002B	Use concreting tools and equipment	40
<b>Core Units – Safety and Induction</b>		
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1004B	Conduct workplace communication	16
<b>Elective Units</b>		
BCGCA2003B	Erect and dismantle formwork for footings and slabs on ground	32
BCGSF2004B	Place and fix reinforcement materials	40
<b>TOTAL</b>		<b>328</b>

## BCG20406 – Certificate II in Stonemasonry

<b>Qualification Title</b>	Certificate II in Stonemasonry
<b>Qualification Code</b>	BCG20406
<b>Qualification Packaging Rules</b>	<p>To achieve a Certificate II in Stonemasonry</p> <p>18 Units in total 16 Core units and a minimum of 2 Elective units</p> <p><i>Note: One elective unit may be substituted from other qualifications within the General Construction Training Package or from other endorsed Training Packages</i></p>

The following table outlines ONE example of a training program for this qualification. Please refer to the BCG03 General Construction Training Package for the full details of available options.

Unit Code	Unit Title	Nominal Hours
<b>Core Units – Prepare for Stonemasonry Work</b>		
BCF2001A	Use static machines	10
BCF2009A	Carry out load slinging of off-site materials	4
BCF2012A	Package manufactured products for transport	6
BCGCM1003B	Plan and organise work	16
BCGCM1005B	Carry out measurements and calculations	16
BCGCM2001B	Read and interpret plans and specifications	32
BCGCM2004B	Handle construction materials	16
<b>Core Units – Safety Induction</b>		
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1004B	Conduct workplace communication	16
<b>Core Units – Stonemasonry Operations</b>		
BCG2001A	Prepare surfaces	24
BCF2003A	Finish stone	24
BCF2017A	Lay stone	32
BCGCM2005B	Use construction tools and equipment	40
BCGCM2006B	Apply basic levelling procedures	16
BCGSP3002B	Apply set coats	80
<b>Other Elective Units</b>		
BCGCO2003B	Carry out concreting to simple forms	24
BCGCM2009B	Carry out basic demolition	16
<b>TOTAL</b>		<b>420</b>

## BCG31506 – Certificate III in Formwork/Falsework

<b>Qualification Title</b>	Certificate III in Formwork / Falsework
<b>Qualification Code</b>	BCG31506
<b>Qualification Packaging Rules</b>	<p>To achieve a Certificate III in Formwork / Falsework:</p> <p>22 units in total 19 Core units and a minimum of 3 Elective units</p> <p><i>Note: Up to two elective units may be substituted from other qualifications within the General Construction Training Package or from other Training Packages.</i></p>

The following table outlines ONE example of a training program for this qualification. Please refer to the BCG03 General Construction Training Package for the full details of available options.

Unit Code	Unit Title	Nominal Hours
<b>Core Units – Formwork Construction Skill Set</b>		
BCGCA2003B	Erect and dismantle formwork for footings and slabs on ground	32
BCGCA3018B	Construct, erect and dismantle formwork for stairs and ramps	40
BCGCA3019B	Erect and dismantle formwork to suspended slabs, columns, beams and walls	48
BCGCA3020B	Erect and dismantle jump form formwork	60
BCGCA3021B	Erect and dismantle slip form formwork	60
<b>Core Units – Formwork Preparation Skill Set</b>		
BCGCA2001B	Handle carpentry materials	16
BCGCA2002B	Use carpentry tools and equipment	52
BCGCA3001B	Carry out general demolition to minor building structures	24
BCGCA3002B	Carry out setting out	12
BCGCA3023B	Carry out levelling operations	24
BCGCM2002B	Carry out excavation	16
BCGWC3005B	Install dry wall passive fire-rated systems	80
<b>Core Units – Safety and Induction</b>		
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1004B	Conduct workplace communication	16
BCGCM1006A	Work safely at heights	16
<b>Core Units – Workplace Operations</b>		
BCGCM1003B	Plan and organise work	16
BCGCM1005B	Carry out measurements and calculations	16
BCGCM2001B	Read and interpret plans and specifications	32
<b>Elective: Formwork</b>		
BCGCA3015B	Assemble partitions	40
BCGCM2004B	Handle construction materials	16
BCGSF2004B	Place and fix reinforcement materials	40
<b>TOTAL</b>		<b>704</b>

## BCG31606 – Certificate III in Wall & Ceiling Lining (Plasterboard)

<b>Qualification Title</b>	Certificate III in Wall & Ceiling Lining (Plasterboard)
<b>Qualification Code</b>	BCG31606
<b>Qualification Packaging Rules</b>	<p>To achieve a Certificate III in Wall &amp; Ceiling Lining (Plasterboard):</p> <p>22 Units in total 19 Core Units and a minimum of 3 Elective units</p> <p><i>Note: Up to two elective units may be substituted from other qualifications within the General Construction Training Package or from other endorsed Training Packages</i></p>

The following table outlines ONE example of a training program for this qualification. Please refer to the BCG03 General Construction Training Package for the full details of available options.

Unit Code	Unit Title	Nominal Hours
<b>Core Units – Finishing (Stopping, Sanding &amp; Cornices)</b>		
BCGPB3007A	Apply levels of finish standards to planning and inspection of own work	20
BCGPB3008A	Mix plastering compounds	10
BCGPB3009A	Finish plasterboard joins by hand	15
BCGPB3010A	Hand sand plaster work	10
BCGPB3011A	Finish category 1 & 2 wet areas	30
BCGPB3012A	Cut and fix paper faced cornice	15
<b>Core Units – Fixing (Hanging)</b>		
BCGPB3001A	Fix standard plasterboard wall sheets	40
BCGPB3002A	Fix standard plasterboard ceiling sheets	40
BCGPB3003A	Fix battens	20
BCGPB3004A	Fix wet area sheets	40
BCGPB3005A	Fix ceiling sheets to external protected areas	40
BCGPB3006A	Fix fibre cement board	30
<b>Core Units – Safety and Induction</b>		
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1004B	Conduct workplace communication	16
BCGCM1006A	Work safely at heights	16
<b>Core Units – Workplace Operations</b>		
BCGCM1003B	Plan and organise work	16
BCGCM1005B	Carry out measurements and calculations	16
BCGCM2001B	Read and interpret plans and specifications	32
<b>Elective Units</b>		
BCGWC3002B	Install and finish plasterboard and fibre cement sheeting to curved walls and ceilings	40
BCGPB3015A	Set up, move and dismantle scaffolding up to 4 metres	30
BCGPB3017A	Rectify faults in plaster applications	15
<b>TOTAL</b>		<b>539</b>



## BCG31606 – Certificate III in Low Rise Structural Framing

<b>Qualification Title</b>	Certificate III in Low Rise Structural Framing
<b>Qualification Code</b>	BCG31606
<b>Qualification Packaging Rules</b>	<p>To achieve a Certificate III in Low Rise Structural Framing:</p> <p>21 Units in total 15 Core units and Minimum of 6 Elective Units</p> <p><i>Note: Up to two elective units may be substituted from other qualifications within the General Construction Training Package or from other endorsed Training Packages.</i></p>

The following table outlines ONE example of a training program for this qualification. Please refer to the BCG03 General Construction Training Package for the full details of available options.

Unit Code	Unit Title	Nominal Hours
<b>Core Units – Construct and Erect Frames, Trusses, Eaves and Roofs</b>		
BCGCA3004B	Construct wall frames	40
BCGCA3006B	Erect roof trusses	40
BCGCA3008B	Construct eaves	20
BCGCM2008B	Erect and dismantle restricted height scaffolding	16
<b>Core Units – Safety and Induction</b>		
BCGCM1001B	Follow OH&S policies and procedures	32
BCGCM1002B	Work effectively in the General Construction industry	16
BCGCM1004B	Conduct workplace communication	16
<b>Core Units – Setting Out and Levelling</b>		
BCGCA3002B	Carry out setting out	12
BCGCA3023B	Carry out levelling operations	24
<b>Core Units – Use Tools, Equipment and Materials</b>		
BCGCA2001B	Handle carpentry materials	16
BCGCA2002B	Use carpentry tools and equipment	52
BCGCM2007B	Use explosive power tools (EPT)	8
<b>Core Units – Workplace Operations</b>		
BCGCM1003B	Plan and organise work	16
BCGCM1005B	Carry out measurements and calculations	16
BCGCM2001B	Read and interpret plans and specifications	32
<b>Elective Units</b>		
BCGCA3003B	Install flooring systems	40
BCGCA3010B	Install and replace windows and doors	32
BCGCA3012B	Frame and fit wet area fixtures	24
BCGCA3013B	Install lining, panelling and moulding	24
BCGCA3014B	Construct bulkheads	40
BCGCM2005B	Use construction tools and equipment	40
<b>TOTAL</b>		<b>556</b>