



## BUILDING AND CONSTRUCTION COURSES



Building and construction is one of the largest industries in the world, with billions of dollars invested in infrastructure and housing every year. TAFE International Western Australia has a number of courses to get you started in this ever growing and fast moving industry.



"I graduated in architecture a while before coming to Australia, but I wasn't really happy with my career in Brazil. I decided to study residential building drafting, to learn and understand Australian construction methods, regulations, building codes, and therefore, help me enter the architecture market. The course was different from university, but it's great for its purpose. I have learnt a lot this year, and I'm happy I chose TAFE. It's a hands on course, where we learn exactly what the industry needs. I had great lecturers as well, who were extremely important for my learning."

**Flavia Godoy Azevedo | Brazil**

52757WA Certificate IV in Residential Building Drafting

# BUILDING



All courses listed require an IELTS score (Academic) 6.0 with no band less than 5.0 or equivalent, unless otherwise stated.

Equivalent to Australian Year 11 with a pass result in mathematics is required for entry into this course.

UniPathways — Start your studies at TAFE then continue to university with a UniPathway.

## CPC40120 Certificate IV in Building and Construction [Building]

TAFE ID: BGCO | CRICOS code: 103778D

### Why choose this course?

Build a career in one of the fastest growing industries with this qualification. Develop your knowledge to the level where you can plan and supervise construction sites, prepare costs and schedules for a contract, use current building codes and standards, understand the legal requirements of contracts and works, read and interpret plans and specifications, identify and produce estimated costs and manage occupational health and safety on construction sites.

Acquire a diverse range of skills to be able to project manage and coordinate the overall construction of low rise residential and commercial buildings, which may involve selecting contractors, overseeing work and liaising with clients.

Please note that this course is based on Australian building codes and regulations. International students should consider if these regulations are applicable in their own country.

College	February intake	July intake
North Metropolitan TAFE East Perth campus		

### Course units

To achieve this qualification, you must demonstrate competency in 19 units comprising:

- » 11 core units; and
- » eight electives.

### Core units

- » CPCBC4001 Apply building codes and standards to the construction process for Class 1 and 10 Buildings
- » CPCBC4002 Manage work health and safety in the building and construction workplace
- » CPCBC4007 Plan building and construction work
- » CPCBC4008 Supervise site communication and administration processes for building and construction projects
- » CPCBC4009 Apply legal requirements to building and construction projects
- » CPCBC4010 Apply structural principles to residential and commercial constructions
- » CPCBC4012 Read and interpret plans and specifications

- » CPCBC4014 Prepare simple building sketches and drawings
- » CPCBC4018 Apply site surveys and set-out procedures to building and construction projects
- » CPCBC4021 Minimise waste on the building and construction site
- » CPCBC4053 Apply building codes and standards to the construction process for Class 2 to 9 Type C buildings

### North Metropolitan TAFE East Perth campus

**Tuition fee** \$14,260 | **Resource fee** \$900 | **Materials fee** \$0  
**Duration** two semesters (12 months)

### Electives

- » BSBPMG422 Apply project quality management techniques
- » CPCBC4003 Select, prepare and administer a construction contract
- » CPCBC4004 Identify and produce estimated costs for building and construction projects
- » CPCBC4005 Produce labour and material schedules for ordering
- » CPCBC4006 Select, procure and store construction materials for building and construction projects
- » CPCBC4013 Prepare and evaluate tender documentation
- » CPCSUS4002 Use building science principles to construct energy efficient buildings
- » CPCSUS5001 Develop workplace policies and procedures for sustainability

### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), PowerPoint presentations, worksheets, YouTube clips and handouts.

Facilities and equipment may include access to laptops, computers, student WiFi and a simulated work environment that captures the environment and productivity pressures of an actual workplace.

### Work placement information

There is no work placement requirement for this course. Please note that you are required to complete the unit called **CPCWHS1001 - Prepare to work safely in the construction industry** at any Registered Training Organisation in order to be able to access construction sites.

### Career opportunities

- » Construction supervisor
- » Site manager
- » Builder

## CPC50220 Diploma of Building and Construction [Building]

TAFE ID: BGE4 | CRICOS code: 103764K



### Why choose this course?

Advance your building and construction management career with this qualification. Learn the skills and knowledge to work in building management, production teams and the operations workforce to manage constructions from a small building business through to medium rise constructions.

During this course you will gain skills and knowledge of building codes and standards, structural principles, medium size building project management and how to supervise construction planning processes. In addition you will study legal obligations and contracts, monitor costing systems and develop policies and procedures.

This course structure is based on Australian building codes and regulations. International students should consider if these regulations are applicable in your own country.

Upon completion of this course you can study further at university.

College	February intake	July intake
North Metropolitan TAFE East Perth campus	■	■



### Course units

To achieve this qualification, you must demonstrate competency in 27 units comprising:

- » 24 core units; and
- » three electives.



### Core units

- » BSBOPS504 Manage business risk
- » BSBWHS513 Lead WHS risk management
- » CPCBC4001 Apply building codes and standards to the construction process for Class 1 and 10 Buildings
- » CPCBC4003 Select, prepare and administer a construction contract
- » CPCBC4004 Identify and produce estimated costs for building and construction projects
- » CPCBC4005 Produce labour and material schedules for ordering
- » CPCBC4008 Supervise site communication and administration processes for building and construction projects
- » CPCBC4009 Apply legal requirements to building and construction projects
- » CPCBC4010 Apply structural principles to residential and commercial constructions
- » CPCBC4012 Read and interpret plans and specifications
- » CPCBC4013 Prepare and evaluate tender documentation
- » CPCBC4014 Prepare simple building sketches and drawings
- » CPCBC4018 Apply site surveys and set-out procedures to building and construction projects
- » CPCBC4053 Apply building codes and standards to the construction process for Class 2 to 9, Type C buildings
- » CPCBC5001 Apply building codes and standards to the construction process for Type B construction

- » CPCBC5002 Monitor costing systems on complex building and construction projects
- » CPCBC5003 Supervise the planning of on-site building and construction work
- » CPCBC5005 Select and manage building and construction contractors
- » CPCBC5007 Administer the legal obligations of a building and construction contractor
- » CPCBC5010 Manage construction work
- » CPCBC5011 Manage environmental management practices and processes in building and construction
- » CPCBC5013 Manage professional technical and legal reports on building and construction projects
- » CPCBC5018 Apply structural principles to the construction of buildings up to 3 storeys
- » CPCBC5019 Manage building and construction business finances

### North Metropolitan TAFE East Perth campus

**Tuition fee** \$14,260 | **Resource fee** \$1,714 | **Materials fee** \$0  
**Duration** two semesters (12 months)

### Electives

- » BSBPMG532 Manage project quality
- » CPCBC4006 Select, procure and store construction materials for building and construction projects
- » CPCUS5001 Develop workplace policies and procedures for sustainability

### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), PowerPoint presentations, worksheets, YouTube clips and handouts.

Facilities and equipment may include access to laptops, computers, student WiFi and a simulated work environment that captures the environment and productivity pressures of an actual workplace.



### Work placement information

There is no work placement requirement for this course. Please note that you are required to complete the unit called **CPCWHS1001 - Prepare to work safely in the construction industry** at any Registered Training Organisation in order to be able to access construction sites.



### Career opportunities

- » Builder
- » Construction supervisor
- » Site manager



### UniPathway

Options available at [tafeinternational.wa.edu.au/unipathwayfinder](https://tafeinternational.wa.edu.au/unipathwayfinder)

# BUILDING DESIGN

Year 12 equivalent

CPP40121 Certificate IV in Residential Drafting

12 months

CPP50921 Diploma of Building Design

12 months

All courses listed require an IELTS score (Academic) 6.0 with no band less than 5.0 or equivalent, unless otherwise stated.

Equivalent to Australian Year 12 with a pass result in mathematics is required for entry into this course.

 UniPathways — Start your studies at TAFE then continue to university with a UniPathway.

## CPP40121 Certificate IV in Residential Drafting

TAFE ID: BGI4 | CRICOS code: 108209H




### Why choose this course?

If you are creative and technical minded, and love architecture, you will enjoy this qualification. Learn how to produce drawings and documentation to support building designers and architects undertaking residential building design projects. You will develop skills to present and document building projects using both manual and computer-aided drafting (CAD) techniques that are relevant to current industry trends and practices.

During your studies you will gain a broad range of specialist knowledge covering the range of materials and construction systems typically used in the local residential building industry. The course structure is based on construction and drafting skills to national building codes, Australian standards and local planning regulations, so you should consider if these regulations are applicable in your home country.

This qualification has been designed in consultation with local industry groups such as architects, building designers and builders, to ensure that the you graduate with the drafting skills required.

College	February intake	July intake
North Metropolitan TAFE Perth campus		



### Course units

To achieve this qualification, you must demonstrate competency in 10 units comprising:

- » seven core units; and
- » three electives.



### Core units

- » CPPBDN4101 Work effectively in a building design environment
- » CPPBDN4102 Analyse building design drawings
- » CPPBDN4103 Use CAD software to produce drawings for building design projects
- » CPPBDN4104 Apply compliance requirements to Class 1 and 10 building design

- » CPPBDN4105 Prepare drawings for planning and building approval for Class 1 and 10 buildings
- » CPPBDN4106 Investigate materials for construction of Class 1 and 10 buildings
- » CPPBDN4107 Investigate constructions methods for Class 1 and 10 buildings

### North Metropolitan TAFE Perth campus

**Tuition fee** \$14,260 | **Resource fee** \$90 | **Materials fee** \$0  
**Duration** two semesters (12 months)

### Electives

- » CPPBDN4108 Draw layout of required services for Class 1 and 10 buildings
- » CPPBDN5102 Produce compliant designs for Class 1 and 10 buildings
- » CPPBDN5110 Inspect and assess sites to inform the design process

### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), workbooks, learner guides, lecturer notes, PowerPoint presentations, software, workplace manuals, library, Australian and WA government legislation including the WA Code of Practice - Safe Design of Building Structures 2008, and Australian standards building codes. You will also have opportunities to engage with industry professionals via industry site visits and guest lectures.

Facilities and equipment may include access to computers laboratories with the capability to run BIM compatible CAD software, printers, student WiFi, drawing/sketching boards, and levelling equipment. All resources to undertake practical activities are provided by your campus including surveying equipment, measuring equipment, site safety hard hats and vests.



### Work placement information

There is no work placement requirement for this course.



### Career opportunities

- » Building designer
- » Architectural drafts person



## CPP50921 Diploma of Building Design

TAFE ID: BG13 | CRICOS code: 108210D



### Why choose this course?

Further your career as a building designer or draftsman with this qualification. This course will advance your drafting and design skills in Revit (CAD software) for residential and commercial small-scale building projects. Learn how to identify and produce estimated costs, prepare concept designs and specifications, produce 3D models, create client approved designs and drawings that are compliant, and research the best construction materials and methods for building and construction projects.

During your studies you will learn the principles of energy efficient design and sustainability for design projects and the occupational health and safety requirements for this booming industry. On completion of this qualification you will be able to apply your skills to diverse building design projects which may incorporate residential, commercial, public or industrial projects including new buildings and renovations.

The course structure is based on construction and drafting skills to national building codes, Australian standards and local planning regulations so you should consider if these regulations are applicable in your home country.

College	February intake	July intake
North Metropolitan TAFE Perth campus	■	



### Course units

To achieve this qualification, you must demonstrate competency in 12 units comprising:

- » nine core units; and
- » three electives.



### Core units

- » BSBESB402 Establish legal and risk management requirements of new business ventures
- » CPCBC4015 Prepare specifications for all construction works
- » CPPBDN5101 Produce digital 3-D models of building designs
- » CPPBDN5102 Produce compliant designs for Class 1 and 10 buildings
- » CPPBDN5103 Produce compliant designs for Class 2-9 buildings up to two storeys
- » CPPBDN5104 Prepare drawings for planning and building approval for Class 2-9 buildings up to two storeys
- » CPPBDN5105 Evaluate construction materials and methods for Class 2-9 buildings up to two storeys
- » CPPBDN5106 Determine compliance requirements for Class 2-9 buildings up to two storeys
- » CPPBDN5107 Manage contracts for small-scale building design projects

### North Metropolitan TAFE Perth campus

**Tuition fee** \$14,260 | **Resource fee** \$100 | **Materials fee** \$0  
**Duration** two semesters (12 months)

### Electives

- » CPPBDN5109 Recommend sustainability solutions for small-scale building design projects
- » CPPBDN5110 Inspect and assess sites to inform the design process
- » CPPBDN6106 Produce building information modelling for building design projects

### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), learner guides, PowerPoint presentations, software, computer laboratories and drawing rooms, digital projectors, workplace manuals, library, Australian and WA government legislation including the WA Code of Practice - Safe Design of Building Structures 2008, and Australian standards building codes. You will also have opportunities to engage with industry professionals via industry site visits and guest lectures.

Facilities and equipment may include access to computers laboratories with the capability to run BIM compatible CAD software, printers, student WiFi, drawing/sketching boards, and levelling equipment.



### Work placement information

There is no work placement requirement for this course.



### Career opportunities

- » Building designer
- » Architectural draftsman



### UniPathway


Options available at [tafeinternational.wa.edu.au/unipathwayfinder](https://tafeinternational.wa.edu.au/unipathwayfinder)

# CIVIL CONSTRUCTION


## South Metropolitan TAFE Munster campus

Year 10 equivalent


**MEM30522 Certificate III in Engineering - Technical**

 six months

**RII50520 Diploma of Civil Construction Design**

 18 months

**RII60520 Advanced Diploma of Civil Construction Design**


 six months

Year 12 equivalent

**RII50520 Diploma of Civil Construction Design**

 18 months

**RII60520 Advanced Diploma of Civil Construction Design**

 six months

All courses listed require an IELTS score (Academic) 6.0 with no band less than 5.0 or equivalent, unless otherwise stated.

Equivalent to Australian Year 12 with a pass in Year 11 mathematics is required for entry into the diploma level course.

 **UniPathways** — Start your studies at TAFE then continue to university with a UniPathway.

## MEM30522 Certificate III in Engineering - Technical


TAFE ID: BIV7 | CRICOS code: 112000B

### Why choose this course?

Start your career in engineering drafting, or as an engineering associate, with this entry level qualification. During this six month course you will become familiar with computer-aided design (CAD) packages, AutoCAD and how to set out engineering drawings according to Australian Standards.

You will also participate in hands on workshop projects to introduce general engineering concepts, which are essential for further study at the diploma level. These projects will help develop your understanding of how drawings are transformed into buildings and manufactured items. You will also gain skills in modern office practices, communication, safety, quality controls, basic calculations and sustainability concepts.

On completion of this course you can choose to study further in a number of fields including civil construction design, civil and structural engineering, engineering technology (electrical), and mechanical engineering.

College	February intake	July intake
South Metropolitan TAFE Munster campus		

### Course units

To achieve this qualification, you must demonstrate competency in 10 units comprising:

- » three core units; and
- » seven electives.

### Core units

- » MEM16006 Organise and communicate information
- » MEM16008 Interact with computing technology
- » MEM30012 Apply mathematical techniques in a manufacturing engineering or related environment

## South Metropolitan TAFE Munster campus

**Tuition fee** \$7700 | **Resource fee** \$310 | **Materials fee** \$0  
**Duration** one semester (six months)

### Electives

- » MEM09229 Read and interpret technical engineering drawings
- » MEM12024 Perform computations
- » MEM13015 Work safely and effectively in manufacturing and engineering
- » MEM30031 Operate computer-aided design (CAD) system to produce basic drawing elements
- » MSMENV272 Participate in environmentally sustainable work practices
- » UEECD0007 Apply work health and safety regulations, codes and practices in the workplace
- » UEECD0043 Solve problems in direct current circuits

### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), PowerPoint presentations, handouts, library catalogue and opportunities to engage with industry professionals.

Facilities and equipment may include access to relevant software including computer-aided design (CAD), Microsoft Office suite, computers, workplace manuals and procedures, workshops and internet access.

### Work placement information

There is no work placement requirement for this course.

### Career opportunities

- » Mechanical engineering draftpersons /Technicians
- » Civil engineering draftpersons /Technicians

### UniPathway

Options available at [tafeinternational.wa.edu.au/unipathwayfinder](http://tafeinternational.wa.edu.au/unipathwayfinder)

## RII50520 Diploma of Civil Construction Design

TAFE ID: BGK7 | CRICOS code: 105244G

### Why choose this course?

Start your pathway to an exciting career in civil construction and urban planning. During this course you will develop skills to work autonomously to plan and determine the selection of equipment, and roles and techniques for site specific work designs to meet client's site requirements. You will demonstrate the application of a broad range of technical, managerial, coordination and planning skills.

Learn how to schedule and estimate construction tasks, calculate foundation and footing requirements, and manage a project schedule.

In addition, you will learn about structural requirements, local building and construction standards, codes and practices and structural mechanics. You will create detailed drafting, technical specifications, schedules, and bill of quantities for a building project.

College	February intake	July intake
South Metropolitan TAFE Munster campus		

### Course units

To achieve this qualification, you must demonstrate competency in 20 elective units.

#### South Metropolitan TAFE Munster campus

**Tuition fee** \$23,100 | **Resource fee** \$1,224 | **Materials fee** \$0  
**Duration** three semesters (18 months)

#### Electives

- » BSBPMG531 Manage project time
- » BSBPMG532 Manage project quality
- » BSBPMG536 Manage project risk
- » BSBPMG537 Manage project procurement
- » CPPBDN6106 Produce building information modelling for building design projects
- » CPPSI5032 Capture new spatial data
- » MEM23004A Apply technical mathematics
- » MEM30005A Calculate force systems within simple beam structures
- » MEM30006A Calculate stresses in simple structures
- » MEM30012A Apply mathematical techniques in a manufacturing engineering or related environment
- » MEM30031A Operate computer-aided design (CAD) system to produce basic drawing elements
- » MEM30033A Use computer-aided design (CAD) to create and display 3-D models
- » RIICWD501E Prepare detailed design of foundations
- » RIICWD504E Prepare detailed design of environmental controls
- » RIICWD508E Prepare detailed design of rural roads
- » RIICWD511E Prepare detailed design of sub-divisions
- » RIICWD521E Prepare detailed design of flexible pavements
- » RIICWD531E Prepare detailed design of subsurface drainage
- » RIICWD530E Prepare detailed design of surface drainage
- » RIIMPO402D Apply the principles of earthworks construction

### Learning resources, facilities and equipment

Learning resources may include access to workbooks, the Blackboard Learning Management System (LMS), PowerPoint presentations and class handouts.

Facilities and equipment may include access to general learning areas, specialist training rooms, laboratories, office equipment, computers and specialised software.

### Work placement information

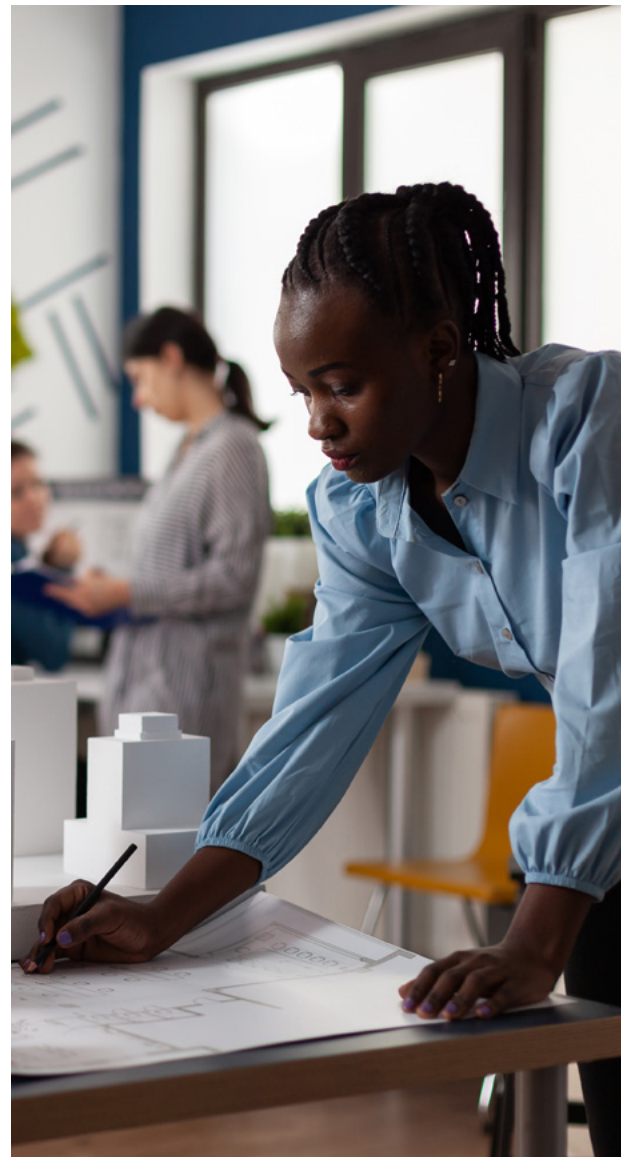
There is no work placement requirement for this course.

### Career opportunities

- » Civil construction designer
- » Senior civil designer
- » Civil engineering assistant

### UniPathway

Options available at [tafeinternational.wa.edu.au/unipathwayfinder](https://tafeinternational.wa.edu.au/unipathwayfinder) 



## RII60520 Advanced Diploma of Civil Construction Design

TAFE ID: BGK5 | CRICOS code: 105229F

### Why choose this course?

Join the next generation of civil construction design experts. This comprehensive qualification in civil construction design provides you with the skills and knowledge to work on projects ranging from residential and industrial buildings to intricate road designs, and expand your study of the design and construction of civil works such as structures and pipe networks.

This course covers a range of engineering specialties to extend your knowledge so that you can plan, design, develop and manage construction, and repair projects relating to these disciplines.

During your studies you will learn several engineering drafting standards and receive exposure to computer-aided design (CAD) programs selected from AutoCAD, Civil 3D, Revit and Microsoft Project.

Gain skills in applying construction principles to civil construction works, produce advanced engineering designs and drawings, and learn structural analysis.

After completing this course you can continue your education at university, or as a senior civil works designer or para-professional designer.

College	February intake	July intake
South Metropolitan TAFE Munster campus	■	■

### Course units

To achieve this qualification, you must demonstrate competency in 12 units comprising:

- » five core units; and
- » seven electives.

### Core units

- » BSBPMG632 Manage program risk
- » BSBTWK502 Manage team effectiveness
- » BSBWHS616 Apply safe design principles to control WHS risks
- » RIICWD601E Manage civil works design processes
- » RIIQUA601E Establish and maintain a quality system

### South Metropolitan TAFE Munster campus

**Tuition fee** \$7,700 | **Resource fee** \$459 | **Materials fee** \$0  
**Duration** one semester (six months)

### Electives

- » BSBPMG533 Manage project cost
- » BSBPMG540 Manage project integration
- » RIICWD509E Prepare detailed design of urban roads
- » RIICWD528E Prepare detailed design of traffic management systems
- » RIICWD533E Prepare detailed design of civil concrete structures
- » RIICWD534E Prepare detailed design of civil steel structures
- » RIICWD535E Prepare detailed design of civil timber structures

### Learning resources, facilities and equipment

Learning resources may include access to workbooks, learning guides, the Blackboard Learning Management System (LMS), PowerPoint presentations and class handouts.

Facilities and equipment may include access to general learning areas, specialist training rooms, laboratories, office equipment, computers and specialised software.

### Work placement information

There is no work placement requirement for this course.

### Career opportunities

- » Senior civil designer

### UniPathway

Options available at [tafeinternational.wa.edu.au/unipathwayfinder](http://tafeinternational.wa.edu.au/unipathwayfinder)





# CONSTRUCTION – BRICKLAYING AND BLOCKLAYING


Year 10  
equivalent

## CPC33020 Certificate III in Bricklaying and Blocklaying

24 months

All courses listed require an IELTS score (Academic) 6.0 with no band less than 5.0 or equivalent, unless otherwise stated.

Equivalent to Australian Year 10 with a pass result in mathematics is required for entry into this course.

 **UniPathways** — Start your studies at TAFE then continue to university with a UniPathway.

## CPC33020 Certificate III in Bricklaying and Blocklaying

TAFE ID: BGD8 | CRICOS code: 103833B



### Why choose this course?

Build your bricklaying/blocklaying career by completing this hands on qualification. Gain the skills and knowledge to use tools and equipment to lay bricks for domestic, commercial and public building projects. This course covers techniques such as basic levelling procedures, basic demolition, measurements and calculations, erecting and dismantling restricted scaffolding and setting out a project. You will also learn how to create arches and columns, build feature and curved walls and construct steps and ornamental panels. You will also develop the knowledge to interpret plans and an understanding of occupational health and safety requirements for the construction industry.

This course is ideal if you love working outdoors, have good hand-eye coordination and the ability to complete work to a high standard.

College	February intake	July intake
South Metropolitan TAFE Thornlie campus	■	■



### Course units

To achieve this qualification, you must demonstrate competency in 28 units comprising:

- » 20 core units; and
- » eight electives.



### Core units

- » CPCCBL2001 Handle and prepare bricklaying and blocklaying materials
- » CPCCBL2002 Use bricklaying and blocklaying tools and equipment
- » CPCCBL3002 Carry out masonry veneer construction
- » CPCCBL3003 Carry out cavity brick construction
- » CPCCBL3005 Lay masonry walls and corners
- » CPCCBL3006 Lay multi-thickness walls and piers
- » CPCCBL3009 Install flashings and damp proof course

- » CPCCBL3010 Construct masonry arches
- » CPCCBL3011 Construct curved walls
- » CPCCBL3013 Construct masonry structural systems
- » CPCCCA3002 Carry out setting out
- » CPCCCOM1012 Work effectively and sustainably in the construction industry
- » CPCCCOM1013 Plan and organise work
- » CPCCCOM1014 Conduct workplace communication
- » CPCCCOM1015 Carry out measurements and calculations
- » CPCCCOM2001 Read and interpret plans and specifications
- » CPCCCOM2006 Apply basic levelling procedures
- » CPCCCOM2008 Erect and dismantle restricted height scaffolding
- » CPCCCOM2012 Work safely at heights
- » CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

### South Metropolitan TAFE Thornlie campus

**Tuition fee** \$26,760 | **Resource fee** \$2,472 | **Materials fee** \$1,796  
**Duration** four semesters (24 months)

### Electives

- » CPCCBL3001 Lay paving
- » CPCCBL3007 Install glass blockwork
- » CPCCBL3014 Install fire-rated masonry construction
- » CPCCBL3004 Construct masonry steps and stairs
- » CPCCBL3015 Construct decorative brickwork
- » CPCCBL3016 Construct battered masonry walls and piers
- » CPCCPA3003 Cut segmental paving
- » CPCCCO2013 Carry out concreting to simple forms

### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), paper-based learning resources, lecturer developed PowerPoint presentations, industry web links and workbooks.

Facilities and equipment may include access to simulated work areas for all practical-based training, bricklaying workshops, outside areas and classrooms, equipment and materials required for training and assessments, safety equipment and personal protective equipment (PPE). You are required to provide industry standard safety boots.

## Work placement information

During your course you will be required to undertake a work experience component that will be based in industry and on a 'construction worksite'. This work placement helps to strengthen the skills and knowledge learnt in a real workplace environment.

It will be your responsibility to source your own work experience and you will need to complete a workplace logbook recording the hours and tasks you complete. This logbook will also need to be signed off by your site supervisor.

You will be required to complete the unit **CPCWHS1001 Prepare to work safely in the construction industry** to gain a "white card" before being permitted to enter a construction work site. This unit will be delivered prior to commencing your work experience requirement and will be outlined by your lecturers during your studies and also at orientation.

## Career opportunities

» Bricklayer and blocklayer

# CONSTRUCTION – CARPENTRY


Year 10 equivalent

## CPC30220 Certificate III in Carpentry

24 months

All courses listed require an IELTS score (Academic) 6.0 with no band less than 5.0 or equivalent, unless otherwise stated.

Equivalent to Australian Year 10 with a pass result in mathematics is required for entry into this course.

 **UniPathways** — Start your studies at TAFE then continue to university with a UniPathway.

## CPC30220 Certificate III in Carpentry

TAFE ID: BGB8 | CRICOS code: 104856]




### Why choose this course?

Pursue your dream to become a carpenter with this practical, hands on qualification that will teach you how to use explosive power tools and carpentry tools to build structures such as pitched roofs, ceiling frames, eaves, wall frames, roof trusses and flooring systems.

It covers techniques such as levelling operations, excavation, demolition of minor building structures, measurements and calculations, erecting and dismantling restricted scaffolding, and setting out projects. In addition you will learn how to assemble partitions, construct bulkheads, build timber external stairs, construct, and erect and dismantle formwork for stairs, ramps, footings, ground slabs, suspended slabs, columns, beams and walls.

Installing and replacing windows, linings, panelling and moulding is also part of the course content, along with how to interpret plans and understand the occupational health and safety requirements for the construction industry.

This course is ideal if you love working outdoors with wood structures, have good hand-eye coordination and the ability to complete work to a high standard.

College	February intake	July intake
North Metropolitan TAFE Balga campus		
South Metropolitan TAFE Rockingham campus		
South Metropolitan TAFE Mandurah campus		

### Course units

To achieve this qualification, you must demonstrate competency in 34 units comprising:

- » 27 core units; and
- » seven electives.

There are common electives available at all campuses while other electives are campus-specific.

### Core units

- » CPCCCA2002 Use carpentry tools and equipment
- » CPCCCA2011 Handle carpentry materials
- » CPCCCA3001 Carry out general demolition of minor building structures
- » CPCCCA3002 Carry out setting out
- » CPCCCA3003 Install flooring systems
- » CPCCCA3004 Construct and erect wall frames
- » CPCCCA3005 Construct ceiling frames
- » CPCCCA3006 Erect roof trusses
- » CPCCCA3007 Construct pitched roofs
- » CPCCCA3008 Construct eaves
- » CPCCCA3010 Install windows and doors
- » CPCCCA3016 Construct, assemble and install timber external stairs
- » CPCCCA3017 Install exterior cladding
- » CPCCCA3024 Install lining, panelling and moulding
- » CPCCCA3025 Read and interpret plans, specifications and drawings for carpentry work
- » CPCCCA3028 Erect and dismantle formwork for footings and slabs on ground
- » CPCCCM2006 Apply basic levelling procedures
- » CPCCCM2008 Erect and dismantle restricted height scaffolding
- » CPCCCM2012 Work safely at heights
- » CPCCCO2013 Carry out concreting to simple forms
- » CPCCCOM1012 Work effectively and sustainably in the construction industry
- » CPCCCOM1014 Conduct workplace communication
- » CPCCCOM1015 Carry out measurements and calculations
- » CPCCCOM3001 Perform construction calculations to determine carpentry material requirements
- » CPCCCOM3006 Carry out levelling operations
- » CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
- » CPCWHS3001 Identify construction work hazards and select risk control strategies

### Electives offered at all campuses

- » CPCCCA3009 Construct advanced roofs
- » CPCCCA3018 Construct, erect and dismantle formwork for stairs and ramps
- » CPCCCA3019 Erect and dismantle formwork to suspended slabs, columns, beams and walls
- » CPCCJN3003 Manufacture components for doors, windows and frames
- » CPCCJN3004 Manufacture and assemble joinery components
- » CPCCJN3100 Process materials to produce components using static machines

### North Metropolitan TAFE Balga campus

**Tuition fee** \$26,760 | **Resource fee** \$4,000 | **Materials fee** \$440  
**Duration** four semesters (24 months)

#### Elective (campus-specific)

» CPCCJS3011 Design and set out stairs

#### Learning resources, facilities and equipment

Learning resources may include access to writing materials, drawing equipment, text books, workbooks, PowerPoint presentations, questionnaires, handouts and video clips.

Facilities and equipment may include use of workshop facilities, computer laboratories, a simulated working environment, plant, equipment and power tools, safety and personal protective equipment. You are required to provide industry standard safety steel capped boots and prescription safety glasses if required.

### South Metropolitan TAFE Rockingham or Mandurah campus

**Tuition fee** \$26,760 | **Resource fee** \$1,600 | **Materials fee** \$452

**Duration** four semesters (24 months)

#### Elective (campus-specific)

» CPCCCM2002 Carry out hand excavation

#### Learning resources, facilities and equipment

Learning resources may include access to the Blackboard Learning Management System (LMS), paper-based learning resources, lecturer developed PowerPoint presentations, industry web links and workbooks.

Facilities and equipment may include access to simulated work areas for all practical-based training, carpentry and joinery workshops, classrooms, equipment and materials for training and assessments, safety equipment and personal protective equipment (PPE). You are required to provide industry standard safety boots.



#### Work placement information

##### North Metropolitan TAFE

At North Metropolitan TAFE you are required to undertake approximately 360 hours of work placement during this course. This placement is the college and will help strengthen the skills and knowledge you have learnt during your studies in a real workplace environment.

The workplace is assessed before you are placed, to ensure the site is deemed safe. You will be supervised during the off campus work placement by the carpentry contractor. A lecturer will conduct workplace visits to provide ongoing support and coaching and will observe and assess your performance. You will be required to complete a work placement diary to record all the hours and tasks you undertake.

You will be required to complete the unit **CPCWHS1001 - Prepare to work safely in the construction industry** at any Registered Training Organisation to enable access to construction sites and commence work placement at a cost of approximately \$150.

##### South Metropolitan TAFE

At South Metropolitan TAFE you will be required to undertake a work experience component that will be based in industry and on a 'construction worksite'. It will be your responsibility to source your own work experience and you will need to complete a workplace logbook recording the hours and tasks you complete. This logbook will also need to be signed off by your site supervisor.

You will be required to complete the unit **CPCWHS1001 Prepare to work safely in the construction industry** to gain a "white card" before being permitted to enter a construction work site. This unit will be delivered prior to commencing your work experience requirement and will be outlined by your lecturers during your studies and at orientation.



#### Career opportunities

» Carpenter

#### Fee information

There are three types of fees required.

- » **Tuition** – International student tuition fees are set on a commercial basis and are paid as a whole of course fee.
- » **Resource** – These are mandatory fees paid to your TAFE college each semester. These fees are a fixed payment determined by each unit of enrolment. Resources fees are charged for items you will use during your course, for example if you are studying a hospitality course it will be the food that you use; or an art and design course may include paint.
- » **Materials** – These fees are for materials you will keep for use during and after your studies, for example personal protective equipment, text books, uniforms etc.

Tuition fees are current at the time of printing and reviewed annually. Resource and materials fees may apply and these vary between campus locations. For more information about fees please visit [tafeinternational.wa.edu.au/fees](https://tafeinternational.wa.edu.au/fees).

#### Work placement hours

Work placement hours are subject to change and may vary between campus locations.

TAFE International Western Australia (TIWA) is the registered training organisation (RTO) and Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS) provider for the delivery of training to international students enrolled in TAFE courses in Western Australia. These nationally recognised courses are delivered by Western Australian TAFE colleges on TIWA's behalf. TIWA retains responsibility for the quality of the training and assessment delivered by the TAFE colleges and for the issue of certification documentation to students.

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