



ALPHA COLLEGE
OF AUSTRALIA

CPC50220 Diploma of Building and Construction (Building)

CRICOS Course Code 120594D



OVERVIEW OF COURSE

This qualification reflects the role of building professionals who apply knowledge of structural principles, risk and financial management, estimating, preparing and administering building and construction contracts, selecting contractors, overseeing the work and its quality and managing construction work in building projects including residential and commercial with the following limitations:

- Residential construction limited to National Construction Code Class 1 and 10 buildings to a maximum of 3 storeys.
- Commercial construction limited to National Construction Code Class 2 to 9 buildings, Type C and B construction.

Students will gain practical knowledge in project planning, contracts, estimating, compliance, risk management, building codes and standards, and workplace safety — preparing them for senior roles within the building and construction industry.

WHO SHOULD APPLY FOR THIS COURSE AND WHY?

This course is ideal for individuals who are ready to advance their career in the building and construction industry by stepping into senior management or licensed builder roles. It is especially suited to:

- Qualified carpenters and tradespeople who have completed the CPC30220 Certificate III in Carpentry and CPC40120 Certificate IV in Building and Construction, and want to progress into builder registration or construction management.
- Aspiring licensed builders who need to meet the educational requirements for a builder's licence in New South Wales and other Australian states and territories.
- Site supervisors, forepersons, and project coordinators looking to expand their skills in managing contracts, budgets, compliance, and the delivery of complex projects.
- International students seeking a nationally recognised qualification that provides strong employment prospects and pathways to senior roles in residential, commercial, and industrial construction.

Quick Facts

	Course Duration Total of 52 weeks Study: 40 weeks Break: 12 weeks
	Study Load Full-time 20 hours per week / 4 terms
	Delivery Mode Blended (Face to Face + Online)
	Job Outcomes Builder General Foreperson Building Inspector

Entry Requirements

- Must be 18 years of age or older at the time of course commencement
- Completion of Year 12 or equivalent education
- Provide proof of English language proficiency (IELTS 6.0 or equivalent)
- Successfully cocomplete the Alpha Language, Literacy & Numeracy (LLN) test
- Successfully complete the Alpha Digital Literacy to show confidence in using the internet and common software for learning
- Must be able to participate in training within a simulated workplace environment, including performing manual handling tasks
- A pre-enrolment interview may be required
- Additional Requirements: Successfully complete the General Construction Induction Training (White Card), which is required for entry to construction worksites in Australia

Study Pathways

Students may pursue a Bachelor's degree in fields like Construction Management or Civil Engineering. These pathways support progression into senior roles and may also contribute toward meeting builder licensing requirements, depending on the state. Training and Assessment Methods.



Course Structure

The following units are included in this course, and all are required for the award of the qualification. If you successfully complete some but not all units, you will be awarded with a Statement of Attainment. There are 27 units of competency in total as listed below:

Code	Title	Core / Elective
CPCBC4014	Prepare simple building sketches and drawings	●
CPCBC4003	Select, prepare and administer a construction contract	●
CPCBC4013	Prepare and evaluate tender documentation	●
CPCBC4004	Identify and produce estimated costs for building and construction projects	●
CPCBC5002	Monitor costing systems on complex building and construction projects	●
CPCBC4005	Produce labour and material schedules for ordering	●
CPCBC4010*	Apply structural principles to residential and commercial constructions	●
CPCBC4008	Supervise site communication and administration processes for building and construction projects	●
CPCBC4009	Apply legal requirements to building and construction projects	●
CPCBC5001	Apply building codes and standards to the construction process for Type B construction	●
CPCBC5003	Supervise the planning of onsite building and construction work	●
CPCBC5005	Select and manage building and construction contractors	●
CPCBC5007	Administer the legal obligations of a building and construction contractor	●
CPCBC4018	Apply site surveys and set-out procedures to building and construction projects	●
CPCBC5010	Manage construction work	●
CPCBC5011	Manage environmental management practices and processes in building and construction	●
CPCBC5018*	Apply structural principles to the construction of buildings up to 3 storeys	●
CPCBC5019	Manage building and construction business finances	●
CPCBC5013	Manage professional technical and legal reports on building and construction projects	●
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	●
CPCBC4053	Apply building codes and standards to the construction process for Class 2 to 9, Type C buildings	●
CPCBC4012	Read and interpret plans and specifications	●
BSBPMG532	Manage project quality	●
CPCBC4052	Lead and manage teams in the building and construction industry	●
CPCBC5012	Manage the application and monitoring of energy conservation and management	●

An asterisk (*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the prerequisite requirements available on the website. [↗](#)

Training and Assessment Methods

Training methods include lectures, interactive discussions, role plays, case studies, group projects, live demonstrations, and guided practical activities. In this Diploma, the focus moves well beyond hands on trade skills (as developed in CPC30220 Certificate III in Carpentry) and supervisory knowledge (from CPC40120 Certificate IV in Building and Construction). Students engage in practical learning in construction management, large-scale project coordination, compliance, contract administration, and site leadership. They will work through simulated complex building project scenarios, applying their knowledge in a safe and structured environment before transferring these skills to real-world industry settings.

Assessment methods include:

- Knowledge questions
- Practical demonstrations and observations
- Projects and case studies
- Portfolio of evidence (where applicable)

All assessments reflect real workplace conditions and industry standards. Students are assessed against the requirements of each unit of competency, ensuring they can demonstrate both advanced technical knowledge and the applied supervisory and management skills required for senior roles in construction and for builder licensing pathways.



Course Credit

You can apply for recognition of existing qualifications or skills, knowledge, and experience (credit transfer or recognition of prior learning) as per the information included in our International Student Handbook, which is available at www.alpha.edu.au.

Please note that although we are required to offer you RPL, it would not be expected as an international student that you would pursue this opportunity as most likely you would not have relevant workplace experience and existing skills and knowledge.

If you are granted course credit, this will affect your course fees as well as the duration of your course. We will advise you in writing of changes to fees or course duration as a result of the credit. You will also be issued with a new Confirmation of Enrolment.