

CAPL Degree Application

Bachelor of Construction

BCons

CH4060

With specialisations in:

Construction Management

Quantity Surveying

This application pack should be read in conjunction with the CAPL Degree Information.

About the Bachelor of Construction

The Bachelor of Construction is aimed at developing leaders for the construction industry, who will be able to meet the needs for innovation through the ability to critically evaluate contemporary processes and systems and to contribute to new ways of creating the built environment. The programme enables those with a New Zealand industry background to build on their experience and current qualifications to become industry leaders, both in New Zealand and globally.

The qualification will provide employers and consumers with the confidence that construction and building projects are being effectively planned and organised and with sound financial management that meet with the requirements of New Zealand legislation, Codes of Practice, and New Zealand and Australian Standards.

You will be working in the construction industry as construction managers or quantity surveyors working with residential and commercial buildings, major construction projects and specialist areas. You will be able to contribute in middle management roles, through all stages of projects in the construction industry, have a strong sense of responsibility for your own practice, and effectively collaborate with other construction-related disciplines.

Graduate Profile

To be assessed for the whole qualification you will be able to:

- Effectively deploy the body of technical, applied and legal knowledge to a range of construction projects
- Use effective communication and negotiation skills in a range of organisational, professional, social, and multi-cultural contexts
- Work safely, ethically and productively as individuals, and collaboratively as effective members of project teams
- Apply research processes to investigate industry issues and critically evaluate options to produce solutions
- Critically review practice and engage in life-long learning.

Construction Management graduates will also be able to:

- Plan and manage construction projects
- Manage the use of resources in a sustainable manner
- Provide advice on construction methodology on development options through the life-cycle of a construction project
- Provide advice to improve the productivity of construction projects.

Quantity Surveying graduates will also be able to:

- Manage costs for construction projects
- Provide strategic, budgetary and financial advice on development options through the life-cycle of a construction project
- Provide financial administration to construction contracts
- Apply elements of construction economic theory to provide advice on the risks and uncertainty associated with cost-related project outcomes.

Year 2 Profile

To be assessed for the first two years of the qualification you will be able to:

- Understand and apply knowledge of the roles, standard documentation and administrative requirements of the construction industry, and communicate in a construction related context.
- Operate within the statutory and regulatory environment as it applies to the construction and design of buildings.
- Manage construction and resource allocation, programming and construction activities, for commercial buildings, understand the principles related to the provision of services.
- Evaluate and select materials and finishes for building projects, taking into account environmental aspects of the design and construction techniques to be used.
- Apply a broad knowledge of the structure and structural principles for building work including foundations, substructure, the envelope and the interior, and passive fire protection systems for commercial buildings.
- Analyse, select and administer construction contracts including the preparation of a tender submission from trade sections and other financial components and value building works up to and including final account statements.
- Work in a team and identify organisational principles in a construction and consulting environment.

Construction Management graduates will also be able to:

- Develop construction plans and methodologies, for commercial buildings.
- Create technical sketches to communicate information relevant to the construction project.
- Assist with general construction management tasks.

Quantity Surveying graduates will also be able to:

- Analyse and present feasibility information and preliminary estimates to clients.
- Assemble quantity surveying documentation relevant to specialist and specific trade sections and measure a schedule of quantities for a small building or an individual trade section including services.
- Collate all priced components into a tender submission for commercial buildings using tender process knowledge.

Core competencies required for the full degree

1. The conceptual and practical skills to:
 - work on small domestic buildings, medium (low-rise), and large commercial constructions, including heavily serviced, complex projects such as hospitals and transport facilities.
 - work on both new and existing buildings
 - integrate construction technology with discipline-specific skills and knowledge
 - apply knowledge of buildings materials and structural principles
 - manage site safety
2. Be proficient with the specialised processes, systems, vocabulary and cultural practices in addition to the legislative and research literature of the construction industry.
3. Management skills
4. The ability to respond to the needs for sustainability, cultural accountability, environmental considerations, and the ongoing modernisation of the construction industry.
5. Knowledge of BIM techniques (Building Information Modelling).

English Requirements

If English is not your first language you may also be required to provide evidence of your English language skills as listed below. If you have no evidence of your English language skills and are a New Zealand citizen or permanent resident, contact us for an assessment.

- IELTS 6.0 Academic (no lower than 5.5 in any subtest). For acceptable alternatives refer to the English Proficiency Outcomes Chart on Ara Institute of Canterbury's website.

How do I apply?

To make a CAPL application you need to send us:

	Your Checklist
1 A completed Ara Admission & Enrolment form (leave Section 2 blank) <i>(Please note: A student loan via StudyLink is not a payment option for the CAPL process, but please talk to us about our interest free instalment payment plan*).</i>	<input type="checkbox"/>
2 Your current and detailed Curriculum Vitae (CV) which should contain: <ul style="list-style-type: none">• Relevant work history including your positions, tasks and responsibilities• Knowledge and skills required for you to carry out your job• Formal qualifications eg school, polytechnic, university, trade certificates• Informal qualifications eg 'in house' workplace training workshops• Relevant life experience eg working in teams, managing stress etc <p>Your CV may be quite different from this. Please use whatever format is understood by your industry but in depth enough to show your level of skills across your specialisation, with emphasis on the critical thinking/research required.</p>	<input type="checkbox"/>
3 A personal statement which summarises your experience and learning, and which supports this application.	<input type="checkbox"/>
4 Examples of your work (a few only as you are not being assessed at this stage). If sending files electronically they must be in a easily readable format (pdf, jpg, rep3, etc, and if large, need to be sent by Drop Box, OneDrive, Google Drive or equivalent, or by CD or DVD).	<input type="checkbox"/>

** Conditional on a credit check undertaken by Ara and approved. No results are released until all fees have been paid.*

Please email your application to capl@ara.ac.nz or post it to:

CAPL
Academic Services Division
Ara
PO BOX 540
Christchurch 8140