Bachelor of Applied Science (Construction Management) - 2017
About this course

Targeted at those wanting to create a career in the building, construction and civil engineering industries, the Bachelor of Applied Science (Construction Management) course is a management-oriented practice-based course which covers a broad range of interrelated disciplines including domestic, commercial and civil construction. It focuses on several core subject areas, including technology, measurement and estimating, project management, contracts administration, cost management and communication. Curtin University’s Bachelor of Applied Science (Construction Management) prepares students to move into management after graduation.

Snapshot

<table>
<thead>
<tr>
<th>Level</th>
<th>Undergraduate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qualification</td>
<td>Bachelor Degree</td>
</tr>
<tr>
<td>Number of units</td>
<td>32 units</td>
</tr>
<tr>
<td>Provider</td>
<td>Curtin University</td>
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</tbody>
</table>

Overview

The Bachelor of Applied Science (Construction Management) is a 4 year, full-time equivalent program. The first 3 levels comprised of 24 units (24 x 25 credits) and the fourth level of study either an Honours Stream (7 units: 6 x 25 credits plus 1 x 50 credits) or a Professional Stream (8 units: 7 core x 25 credits plus 1 elective x 25 credits) - a total of either 31 units or 32 units respectively.

This course is a management-orientated practice-based course which covers a broad range of interrelated disciplines including domestic, commercial and civil construction. It focuses on several core subject areas, including technology, measurement and estimating, project management, contracts administration, cost management and communication.

This course qualifies graduates to work as project managers, quantity surveyors, construction
managers, estimators, contract administrators and building surveyors.

Questions relating to work experience and log books should be directed to the Course Coordinator.

Frequently Asked Questions.

FAQs - Bachelor of Applied Science CME (PDF, 74 KB)

Course Objectives

The construction management degree prepares you for a wide range of professional roles in the building and construction industry. Before you complete your course, you will undertake 80 days of work experience during vacation time to further enhance your skills and knowledge. The core subject areas you will study are:

Technology
You will study the physical elements of construction and how they go together to form a complete structure. You will also discuss material components and examine their impact on the natural environment.

Measurement and estimating
You will calculate the cost of work and materials required in building the construction project, and learn the techniques and principles used to arrive at these figures.

Project management
You will learn how to review the management of projects. Specific topics covered include industrial relations, safety and health issues, time management, site management, quality management and property development.

Contracts administration
You will learn the legal aspects applied to construction and building contracts while the project is in progress.

Costs management
You will study contemporary techniques appropriate to cost planning and building design options. You will learn the economic framework of construction, including value management.

Communication
Communication is fundamental to construction. All forms, written, visual and oral, are assessed. You will also gain knowledge of computer applications. This unit underpins all the above subject areas.

Learning Outcomes

At the completion of this course students will be able to:
1. apply key concepts of Construction Management and Quantity Surveying, apply Construction Management and Quantity Surveying knowledge and extend this application through discipline based research.
2. think creatively and innovatively in a building construction context to generate solutions to complex construction problems.
3. access information from a wide range of sources using appropriate technologies and use decision making and problem solving knowledge to generate appropriate outcomes.
4. communicate appropriately to a broad array of construction stakeholders and the wider community audience.
5. recognise and apply the appropriate technologies to building construction processes and society.
6. develop and manage learning strategies to advance themselves in a building construction leaning community.
7. understanding the international perspective of construction management and quantity surveying and apply international practices.
8. appreciate the cultural diversity of the wider community as it impacts on building construction, recognise indigenous rights with the regard to building construction.
9. manage construction processes in an effective, ethical and professional way, recognise and apply environmentally responsible practices in a construction context.

Career Outcomes

The Bachelor of Applied Science (Construction Management) course qualifies graduates to work as:

- Building Technician
- Building Surveyor
- Building Contractor
- Construction Manager
- Contract Administrator
- Estimator
- Facilities Manager
- Property Developer
- Quantity Surveyor

Professional Recognition

The course is accredited by the Board of Quality Surveyors Malaysia (BoQSM), the Australian Institute of Quantity Surveyors (AIQS), Australian Institute of Building (AIB) and the Royal Institution of Chartered Surveyors (RICS). For member entry to both Institutes, graduates are required to have two years approved field practice, together with an assessment of professional competence.
Recommended Study Pattern

Generally the course is fully planned in sequential progression. See the suggested study plans for full time and part time study below.

Bachelor Applied Science (Construction Management) full time suggested study plan

Bachelor Applied Science (Construction Management) part time suggested study plan

The Bachelor of Applied Science (Construction Management) is a 4 year program. The first 3 levels comprised of 24 units and the fourth level of study either an Honours Stream (7 units) or a Professional Stream (8 units) - a total of either 31 units or 32 units respectively.

It is recommended that students consider taking one or more of the OUA Preparatory (PREP) units before undertaking this course. Specifically, Basic Preparatory Mathematics may be useful before undertaking CME104 and CME105.


Course structure

Electives

If students choose to complete the Professional Stream, they will be required to complete 1 elective unit chosen from any undergraduate unit offered through OUA.

Level 1 Open Units

<table>
<thead>
<tr>
<th>Total number of units to complete: 8 units</th>
<th>Required</th>
<th>Elective</th>
<th>Optional</th>
<th>Provided by</th>
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<tbody>
<tr>
<td>★ CME101 Residential Construction</td>
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<tr>
<td>★ APC100 Academic and Professional Communications</td>
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<td>★ CME103 Construction Industry Management</td>
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<tr>
<td>★ CME104 Structures</td>
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<tr>
<td>★ CME105 Introduction to Building Measurement</td>
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<td>★ CME106 Commercial Construction</td>
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<tr>
<td>★ CME107 Site Management</td>
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<tr>
<td>★ CME108 Construction Law</td>
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</table>
This unit is equivalent to CME102, CME130, BAS100 and HUM100 in this course, do not enrol in this unit if you have completed either of these units.

Level 2 Units

<table>
<thead>
<tr>
<th>Total number of units to complete: 8 units</th>
<th>Required</th>
<th>Elective</th>
<th>Optional</th>
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<tbody>
<tr>
<td>★ CME201 Building Measurement 1</td>
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<tr>
<td>★ CME202 Construction Plant and Equipment</td>
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<td>★ CME203 Specialised Construction</td>
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<td>★ CME204 Building Services</td>
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<td>★ CME205 Building Information Modelling</td>
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<tr>
<td>★ CME206 Building Surveying 2</td>
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<tr>
<td>★ CME207 Construction Project Safety Management</td>
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<tr>
<td>★ CME208 Cost Planning</td>
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</table>

Before enrolling in Level 2 units, it is suggested that students have completed the majority of Level 1 units.

Level 3 Units

<table>
<thead>
<tr>
<th>Total number of units to complete: 8 units</th>
<th>Required</th>
<th>Elective</th>
<th>Optional</th>
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<tbody>
<tr>
<td>★ CME301 Infrastructure Construction</td>
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<td>★ CME302 Civils and Service Measurement</td>
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<td>★ CME303 Project Delivery Systems</td>
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<td>★ CME304 Quality in Construction</td>
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<td>★ CME305 Contract Administration</td>
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<tr>
<td>★ CME306 Construction Planning and Scheduling</td>
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<tr>
<td>★ CME307 Cost Management 3</td>
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<tr>
<td>★ CME308 Construction Estimating</td>
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</table>
Before enrolling in Level 3 units, it is suggested that students have completed the majority of Level 2 units.

### Level 4 Units

<table>
<thead>
<tr>
<th>Total number of units to complete: 8 units</th>
<th>⭐ Required ⭐ Elective ⭐ Optional</th>
<th>Provided by</th>
</tr>
</thead>
<tbody>
<tr>
<td>⭐ CME401 Construction Risk Management</td>
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<tr>
<td>⭐ CME402 Project Development and Appraisal</td>
<td>Curtin</td>
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<tr>
<td>⭐ CME403 Integrated Construction Project 1</td>
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<tr>
<td>⭐ CME404 Facilities Management</td>
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<tr>
<td>⭐ CME405 Construction Project</td>
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<tr>
<td>⭐ CME406 Integrated Construction Project 2</td>
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<tr>
<td>⭐ CME407 Sustainable Construction</td>
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</tbody>
</table>

*Elective - To be chosen from available units and approved by the Program Coordinator. Before enrolling in Level 4 units, it is suggested that students have completed the majority of Level 3 units.*

### Level 4 Units - Honours

<table>
<thead>
<tr>
<th>Total number of units to complete: 7 units</th>
<th>⭐ Required ⭐ Elective ⭐ Optional</th>
<th>Provided by</th>
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<tbody>
<tr>
<td>⭐ CME401 Construction Risk Management</td>
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<tr>
<td>⭐ CME402 Project Development and Appraisal</td>
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<tr>
<td>⭐ CME403 Integrated Construction Project 1</td>
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<tr>
<td>⭐ CME404 Facilities Management</td>
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<tr>
<td>⭐ CME407 Sustainable Construction</td>
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<tr>
<td>⭐ CME408 Building Dissertation 1</td>
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<tr>
<td>⭐ CME409(^1) Building Dissertation 2</td>
<td>Curtin</td>
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</tbody>
</table>

\(^1\) Double Unit
Course Admission Eligibility Criteria

To be eligible for a Commonwealth supported place (CSP) in this degree, you must be:

- An Australian citizen residing in Australia for all or part of your studies OR
- A New Zealand citizen who will be residing in Australia for the duration of your study OR
- The holder of a permanent visa who will be residing in Australia for the duration of your study OR
- The holder of a permanent humanitarian visa who will be residing in Australia for the duration of your study
- Able to meet the university course admission requirements.

**Please note:** You can still enrol and pay for your units via FEE-HELP or an upfront payment if you are not eligible for CSP.

Students must satisfy the following requirements in order to be eligible for entry into the degree:

- Entrance Requirements
- English Language Competency

**Entrance Requirements**

Applicants need to meet one of the following:

- Successful study through OUA – either:
  - Successful completion of two of the recommended eight OUA open enrolment units: APC100 and CME104 OR CME105, and separate evidence of English language competency; OR
  - Successful completion of four OUA full degree level units at pass level. (This satisfies English language competency requirement.)

- Australian Tertiary Admissions Rank (ATAR) 70 or equivalent. Students must have English ATAR, Literature ATAR or English as an Additional Language/Dialect ATAR. Mathematics Applications ATAR. Desirable Mathematics Methods ATAR or Mathematics Specialist ATAR. To determine your eligibility for entry please refer to Interstate Year 12 and IB Students, TISC (Tertiary Institutions Service Centre) link [http://www.tisc.edu.au/static/guide/prerequisites-comparison.tisc](http://www.tisc.edu.au/static/guide/prerequisites-comparison.tisc)

- Successful completion of one full time semester (four standard units) towards an Undergraduate or higher level of study at an Australian University (separate evidence of English competence is not required)

- Enabling courses completed through other Australian Universities which meet minimum entry requirements for that institution will be accepted as minimum entry requirements for this course

- Completion of an Australian Qualifications Framework (AQF) Diploma or Advanced Diploma or Associate Diploma. You may also be eligible for credit toward your university
study.
  - Special Tertiary Admissions Test (STAT). (Please note this test is valid for two years.)


**English Language Competency**

Applicants need to meet Curtin’s English Language requirements. You normally need ONE of the following:

  - Must have a 50% minimum in English ATAR (or equivalent).
  - Completion of at least one full time semester (or equivalent) of Undergraduate level studies at an Australian University
  - Completion of an Australian Qualifications Framework (AQF) Diploma or Advanced Diploma. You may also be eligible for credit toward your university study.
  - Successful completion of two degree level units via Open Universities Australia (OUA) and English competence
  - Successful completion of two degree level units at an Australian university and English competence
  - Successful completion of the Special Tertiary Admissions Test. (Please note this test is valid for two years.)


To learn more about Commonwealth supported places, including eligibility please see Commonwealth supported places.
Award Requirements

OUA students complete 24 core units to be completed in the first three years (based on a Full-Time Study Load).

In their fourth year, students either continue extending knowledge of current academic research methodology in completing a project and have a choice of studying a further 8 units (7 core and 1 elective) in the Professional stream OR are invited to complete an Honours Stream, including completing an Honours dissertation (7 units including 1 double unit).

Recognition of Prior Learning / Credit

Applications for Credit for Recognised Learning (CRL) are assessed on a case by case basis according to Curtin University policies which is available at http://policies.curtin.edu.au/local/docs/policy/Credit_for_Recognised_Learning_Manual.pdf.

Students must be admitted in an award course of study before lodging their completed CRL application, along with all necessary documentation for a formal assessment.

To officially apply for CRL, students need to submit the CRL application form available from http://students.curtin.edu.au/administration/documents/Application_for_CRL.pdf to opencurtin@curtin.edu.au along with supporting documents. Accepted documentation includes scans of the original Transcripts and/or Award Certificate; front and back; in colour; and original size. For detailed scanned documents requirements and guidelines, please visit http://courses.curtin.edu.au/course_overview/admission-requirements/scanned-documents.cfm.

For further information, please contact opencurtin@curtin.edu.au.
How to Enrol

You’ve done your research, you know what you want to study and you’re ready to roll and enrol. Before you take a look at our step-by-step guide to enrolling, there’s something we need to remind you about. Whether you have a course in mind or you’re still deciding, when you study through OUA you’ll always be enrolling in one or more individual units at a time.

What about CSP units?

The enrolment process for CSP units is a little bit different. If you’d like to find out more about applying for a CSP course or enrolling in CSP units, visit our Commonwealth supported place page.

1. Add the unit to your Study Cart
   It all starts on the unit page. Once you’ve read the information you need to about the unit you’re keen on studying, press the ADD TO STUDY CART button on the unit page. If you want to add other units, do that before you move on to Step 2.

2. Go to your Study Cart and register or log in
   Once you’re done with Step 1, you’ll have one or more units in your Study Cart. You’ll notice that the number next to the little trolley at the very top of the page has changed. Click on that trolley. If you’ve never studied with OUA before, this is the time to register. If you already have an account, just sign in.

3. Tell us when you want to study
   On the Study Cart page you’ll see a list of units you’ve selected. Next to each one you’ll see some options of when you can study the unit. The next available Study Period, Session or Semester will be selected by default. If you want to study it in a different Study Period, Session or Semester (and your unit lets you do that) now’s the time to choose that option. We’ll also ask you to confirm your citizenship status and to check any alerts (things like prerequisite requirements for the unit you’ve selected).

4. Press the ENROL NOW button
   Once you’re done with Step 3 and all the alerts have disappeared, press the ENROL NOW button at the bottom of the Study Cart page.

5. Fill out the Enrol page information
   You’re almost done. Next we’ll get you to fill in your personal details, enter the information the government needs from all higher education students and choose the payment option that suits you best. If you’re eligible and would like to apply for FEE-HELP, you can do that at this point.
Where we've come from

From the very start, long before we were called Open Universities Australia (OUA), and even before the internet became a part of everyday life, our organisation has been all about making education easier to access.

A pioneer from the beginning

In 1990, the Australian Government established the Open Learning Initiative, a project aimed at extending access to and increasing participation in higher education, examining the potential of communication technologies for education and increasing public awareness of higher education.

The initiative launched in 1991 with the Television Open Learning Pilot, investigating the possibility of creating an educational television channel, hosted by Monash University, and supported by a consortium of Australian universities, as well as Australia’s public broadcaster, the Australian Broadcasting Corporation (the ABC).

Although study via television may sound outdated now, it was at the time a pioneering venture (the first time Australian universities had delivered educational content nationally via television) and established a philosophy of innovation that still exists today.

Open Learning Australia

The launch of the pilot program was followed by the formation of Open Learning Australia in 1993, a publicly funded company with Monash University as its single shareholder. Also under the auspices of the Open Learning Initiative, the Open Learning Electronic Support Service (OLESS) was established in 1994, and Open Net in 1995. The goal of Open Net was to provide access to online learning services to all students, regardless of their location.

In 1997 the separate strands of the Open Learning Initiative were combined under the umbrella of Open Learning Australia (OLA).

Expansion

In 1997 seven new shareholder universities gave their backing to OLA: Australian National University, Curtin University of Technology, Griffith University, Macquarie University, RMIT University, the University of Queensland, and the University of South Australia.

OLA’s entry into the higher education landscape resulted in fewer bureaucratic procedures, more flexible study schedules for students and expansion into new study areas that hadn’t previously been available via distance education such as science and art.

By 2000, with web presentation and data compression techniques advancing rapidly, OLA had begun to turn many of their courses from paper-based to online.
Open Universities Australia

Open Learning Australia became Open Universities Australia in 2004, reflecting the changing demands and expectations of its online students. Although our name changed, our role as pioneers in the online learning movement remained the same.

OUA began to incorporate new technologies and interactive multimedia, streaming media, and social media into its higher education offerings. These technologies allowed OUA to further minimise the isolation of online students, as well as harness the learning potential presented by changing technology.

Today

OUA and its university providers continue to enjoy the benefits that come from the pioneering open learning legacy established more than two decades ago.

Since our foundation, OUA has helped nearly half a million students with their education and career goals.

Find out more about working with us at our LinkedIn Careers page.

Open Access

Our goal has always been to make education easier to access. One of the ways we do this is by making many of our undergraduate courses and units available without academic requirements - things like ATARs (Australian Tertiary Admission Ranks, the scores students receive after completing secondary school in Australia) and grade point averages. We refer to these courses and units as open access or open entry (which, by the way, is where our name comes from).

How does open entry work?

Say you’ve got your eye on the Bachelor of Arts (Fine Art) with Curtin University. If you want to study it as an on-campus student there is at least one academic entry requirement standing in your way, even if you’re applying as a mature-age student.

If you study towards the same degree online through OUA there are no academic entry requirements to hurdle during enrolment. You don’t need to worry about your previous study and whether your study schedule will suit your work or family obligations – you can shape your timetable to fit your life.

After initially missing out on the ATAR score to get her into the university course she had her eye on, Avalon Keft “found a new way”. That new way was Open Universities Australia, which let her pursue her passion for ancient history and work towards a degree with Macquarie University online.
OUA offers all our students access to online support, advice and guidance. Whether you need to speak with someone about swapping units, trouble with assignments, clarification on a result or need to talk over some personal issues, our support services team is here to help.

**Student support services**

**Getting advice**

Just because you’re studying online, doesn’t mean you’re alone. If you have any questions about your study or you’re unsure about how it all works, an answer is very often only be a phonecall or email away.

**Student card**

To help you identify yourself as an OUA student and take advantage of select student discounts, we’ll supply you with an OUA student card.

**Disability support**

We’re committed to providing open and accessible education for all. Our academic providers offer access to a range of options for disability support.

**Complaints management**

We take the satisfaction of our students seriously and investigate all formally raised issues through our complaints management.

**Changing your personal details**

Most of your details, such as your contact information, can be changed by signing into My Study centre and updating your profile. There are some details that are used for admission, enrolment and government reporting purposes that cannot be changed online.

**Special Circumstances**

We understand that students sometimes have to withdraw from a unit due to circumstances beyond their control. If this occurs, you may be able to reduce or avoid financial and academic penalties if you can demonstrate Special Circumstances.

**Student coaching and counselling service**

Being an online student can mean juggling family, work, friendships and of course study.

- Student coaching
- Student counselling

“I have definitely felt supported during my studies. Most of the tutors have been really engaging and easy to contact whenever you need advice or to ask a question. I fit in study when I can and work around my schedule. I would definitely recommend OUA to other people.

Georgina Scrambler – Bachelor of Communication, Griffith University.