

## Bachelor of Construction (Honours) (BCNH) - BCon(Hons)

QTAC code (Australian and New Zealand applicants): External: 907415; Springfield campus: 927411

CRICOS code (International applicants): 089494D

**This program is currently undergoing internal reaccreditation. This may result in changes to the program for 2023.**

	On-campus	External
<b>Start:</b>	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
<b>Campus:</b>	Springfield	-
<b>Fees:</b>	Commonwealth supported place Domestic full fee paying place International full fee paying place	Commonwealth supported place Domestic full fee paying place International full fee paying place
<b>Standard duration:</b>	4 years full-time, 8 years part-time	
<b>Program articulation:</b>	From: <a href="#">Associate Degree of Construction</a>	

### Notes:

In 2023 the program follows the Semester calendar. The [Academic Calendar and Important Dates](#) webpage will allow you to view and download a copy of the important dates for the Semester calendar.

### Contact us

Future Australian and New Zealand students	Future International students	Current students
<a href="#">Ask a question</a> Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: <a href="mailto:study@usq.edu.au">study@usq.edu.au</a>	<a href="#">Ask a question</a> Phone: +61 7 4631 5543 Email: <a href="mailto:international@usq.edu.au">international@usq.edu.au</a>	<a href="#">Ask a question</a> Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email <a href="mailto:usq.support@usq.edu.au">usq.support@usq.edu.au</a>

### Professional accreditation

The Australian Institute of Building is accredited the Bachelor of Construction (Honours) at the University of Southern Queensland.

### Program aims

The program aims to produce professional level graduates for the building industry who have a broad range of relevant technical skills and well developed skills in communication and team work.

The program is designed to capitalise on growing demand and the primary aims are to:

- enable graduates to attain a diverse range of skills and competence to successfully manage a wide range of construction projects
- develop ability to plan, monitor and control the technical, logistical, legal and financial aspects associated with building and construction projects
- accept a leadership role in planning, managing and organising people and other resources on construction projects in the built environment.

## Program objectives

At the completion of the program the graduate will be able to:

- apply building principles and methods
- prepare documentation for building development and construction
- advise and liaise with other members of the building team, clients and other external stakeholders
- apply relevant legislation and technical standards in building construction
- actively manage the human relations, resources, scheduling, quality control, environmental factors and social impacts involved for a building project.

## Australian Qualifications Framework

The Australian Qualifications Framework (AQF) is a single national, comprehensive system of qualifications offered by higher education institutions (including universities), vocational education and training institutions and secondary schools. Each AQF qualification has a set of descriptors which define the type and complexity of knowledge, skills and application of knowledge and skills that a graduate who has been awarded that qualification has attained, and the typical volume of learning associated with that qualification type.

This program is at AQF Qualification Level 08. Graduates at this level will have advanced knowledge and skills for professional or highly skilled work and/or further learning.

The full set of levels criteria and qualification type descriptors can be found by visiting [www.aqf.edu.au](http://www.aqf.edu.au).

## Program Information Set

View UniSQ's admission criteria, student profiles and a summary of all offers made under [Course Admission Information Set](#) via the QTAC website.

## Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Have achieved a minimum Australian Tertiary Admission Rank (ATAR) of **65.6**, or equivalent qualification.<sup>^</sup>
- Subject Pre-requisites: English (Units 3 & 4, C), General Mathematics (Units 3 & 4, C) or equivalent.
- English Language proficiency requirements for Category 2.

Applicants are advised to also note the following:

- Recommended Prior Study: Mathematical Methods (Units 3 & 4, C) or equivalent.

All students are required to satisfy the applicable [English language requirements](#).

If students do not meet the English language requirements they may apply to study a University-approved [English language program](#). On successful completion of the English language program, students may be admitted to an award program.

<sup>^</sup> These are determined by the University for specific programs each Semester. The 2023 ATAR and tertiary entrance ranks are based on agreed QTAC schedules which assess formal study at Year 12 or [equivalent level](#), tertiary, preparatory, professional or vocational qualifications or work experience, as detailed in the QTAC Assessment of Qualifications Manual and QTAC Assessor Guidelines.

Adjustment factors may help you get into the program of your choice by increasing your entrance rank. The additional points don't apply to all applicants or all programs. Please read the information about UniSQ's [Adjustment Factors](#) carefully to find out what you may be eligible for.

## Program fees

### Commonwealth supported place

A Commonwealth supported place is where the Australian Government makes a contribution towards the cost of a students' higher education and students pay a [student contribution amount](#), which varies depending on the courses undertaken. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

Commonwealth Supported students may be eligible to defer their fees through a Government loan called [HECS-HELP](#).

### Domestic full fee paying place

Domestic full fee paying places are funded entirely through the full fees paid by the student. Full fees vary depending on the courses that are taken. Students are able to calculate the fees for a particular course via the [Course Fee Schedule](#)

Domestic full fee paying students may be eligible to defer their fees through a Government loan called [FEE-HELP](#) provided they meet the residency and citizenship requirements.

Australian citizens, Permanent Humanitarian Visa holders, Permanent Resident visa holders and New Zealand citizens who will be resident outside Australia for the duration of their program pay full tuition fees and are not eligible for [FEE-Help](#).

### International full fee paying place

International students pay full fees. Full fees vary depending on the courses that are taken and whether they are studied on-campus, external or online. Students are able to calculate the fees for a particular course via the [Course Fee Schedules](#).

## Program structure

The Bachelor of Construction (Honours) is a 32 unit program consisting of Academic courses and Practice courses comprising a core major study component and a minor study. The Bachelor of Construction (Honours) comprises either four years of full-time study or eight years of part-time study.

The components of the program are shown in the following table:

Program Component	Academic Courses		Practice Courses	
	Number of Courses	Units	Number of Courses	Units
Core Major Study	28	28	6	0
Minor Study	4	4		
Total	32	32	6	0

## Required time limits

Students have a maximum of 10 years to complete this program.

## Core courses

The courses that comprise the core major study program are listed in the following table:

Courses	Units
<b>Academic Courses</b>	
<a href="#">ENG1002 Introduction to Engineering and Built Environment Applications</a>	1
<a href="#">ENM1500 Introductory Engineering Mathematics<sup>§</sup></a>	1
<a href="#">CMG1001 Introduction to Construction Management and the Built Environment</a>	1
<a href="#">CIV1500 Applied Mechanics<sup>§</sup></a>	1
<a href="#">ENG1100 Introduction to Engineering Design</a>	1

ENG1003 Problem Solving in Engineering and the Built Environment <sup>\$</sup>	1
CMG1002 Residential Construction: Methods, Materials and Management	1
CMG2001 Job Organisation	1
ENG2002 Technology, Sustainability and Society	1
FIN1101 Corporate Finance	1
SVY1500 Spatial Science for Engineers	1
LAW1501 Business Law and Ethics	1
ACC1201 Data Insights and Financial Performance <sup>£</sup>	1
CIV2605 Construction Engineering	1
CMG2003 Construction Production Management	1
ENG3003 Engineering Management	1
CMG3002 Contract Administration	1
CMG2002 Cost Management: Estimating, Measurement and Cost Control	1
CMG3001 Building and Construction Procurement	1
MGT3203 Project Management Processes	1
MGT2007 Leadership	1
CMG4003 Commercial Construction	1
LAW3473 Construction Law	1
CMG4002 Integrated Construction Management	1
MGT3006 Employment Relations	1
ENG4110 Engineering Research Methodology	1
ENG4111 Research Project Part 1	1
ENG4112 Research Project Part 2	1
<b>Practice Courses</b>	
ENG1901 Engineering Practice 1	0
CIV3906 Civil Materials Practice	0
CMG4901 Construction Management Practice	0
ENG3902 Professional Practice 1	0
ENG4903 Professional Practice 2	0
ENG4909 Work Experience - Professional	0

#### Footnotes

<sup>\$</sup> Unavailable online in S3 2023

<sup>\$</sup> Unavailable online S2 2023

<sup>£</sup> In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024

## Major studies

The Bachelor of Construction (Honours) consists of a core major study component (Construction Management) and minor study. The major study provides students with knowledge and skills in a specific discipline.

## Minor Studies

The Bachelor of Construction (Honours) consists of a core major study component and a minor study. The minor study provides students with knowledge and skills in a specific area or specialisation. A minor study in a program is a group of four units of courses that provides students an appropriate breadth of study in an area of specialisation. Students must complete four (4) units from the minors listed below. The minor studies available are:

- Building
- Civil

- Transdisciplinary.

## Practical experience

To be eligible to graduate from the Bachelor of Construction (Honours), students must obtain an aggregate of at least 60 days of suitable work experience in an architectural, engineering or construction organisation. Students are required to enrol in [ENG4909 Work Experience - Professional](#) in the latter part of the program and maintain a record of their practical experience as specified by the Course Specification. The record of work experience must be made available for perusal by the Faculty of Health, Engineering and Sciences upon request. Work experience is to be certified by an appropriate person in the organisation that is providing the workplace experience and to be submitted to the examiner. The student must meet all costs associated with the acquisition of work experience to satisfy this requirement.

Credit or exemptions for [ENG4909 Work Experience - Professional](#) will not normally be considered.

## IT requirements

For information technology requirements, please refer to the [minimum computing standards](#).

## Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: R = Recommended; HR = Highly Recommended; M = Mandatory. To find out more about [residential schools](#), visit the [Residential School Schedule](#) to view specific dates for your degree, or visit the [Policy and Procedure Library](#).

Students are required to undertake practical and professional activities relevant to their program through enrolment in a series of **Practice courses** in the program. Practice courses are **zero** unit courses that may be undertaken in either on-campus or external mode and the final grades available are Pass (P)/Fail (F) only. They are a compulsory part of the program and do not attract a student contribution charge for Australian residents or a tuition fee for international students. The recommended enrolment schedule for Practice courses is shown in the Recommended Enrolment Pattern for the program in this Handbook.

External students must attend a number of residential schools during their program to obtain experience in practical and professional activities appropriate to the program. The residential schools are included in Practice courses which are conducted in Semester 3 or during the recess periods. The dates for each residential school Practice course are shown in the [Residential School Schedule](#) in this Handbook and external students should ensure they are able to attend the residential school prior to enrolling in a Practice course. Personal protective equipment is compulsory in many engineering, construction and spatial science laboratories, students should confirm the requirements before attending residential schools for Practice courses.

Students who enrol in on-campus mode for Practice courses normally undertake a series of weekly activities and/or attend a compulsory residential school.

[ENG3902 Professional Practice 1](#) and [ENG4110 Engineering Research Methodology](#) are to be studied in the student's penultimate year. Upon completion of [ENG3902 Professional Practice 1](#), students must study [ENG4111 Research Project Part 1](#), [ENG4112 Research Project Part 2](#) and [ENG4903 Professional Practice 2](#) in the same academic year.

## Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Construction (Honours) and who satisfy the requirements of the [Associate Degree of Construction](#) or the [Diploma of Engineering Studies](#) may be permitted to exit with that award.

## Credit

Exemptions/credit will be assessed based on the [UniSQ Credit and Exemption Procedure](#).

## Work Experience

Work and industrial experience that has not been formally assessed, does not normally qualify for course credit in the Bachelor of Construction (Honours) program. Existing work experience may be used to satisfy the practical/work experience requirements when completing the [ENG4909 Work Experience - Professional practice course](#).

## Honours

The level of honours awarded will be determined based on the UniSQ procedure. Please refer to the [Class of Honours Standard Schedule](#).

## Other information

[ENG1901 Engineering Practice 1](#) is the first in a series of **Practice courses** designed to enable students to acquire professional practice skills, including practical and teamwork skills, problem solving and judgement. It is designed principally to cater for the needs of recent school leavers and those lacking any significant experience of the workforce. **Students who have a trade certificate and who have been employed in industry for some time may be able to claim credit from the course.**

## Construction Management Major recommended enrolment pattern

To satisfy the requirements of the program students must complete all of the Academic and Practice courses in the following table that shows the recommended enrolment patterns for on-campus and external students for our Toowoomba campus. Students following a non-standard enrolment pattern should consult the [course specification](#) to ascertain if a course is offered in another term.

Major study: Construction Management (Major Study Code: 17530)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
Academic Courses Year 1								
CMG1001 Introduction to Construction Management and the Built Environment <sup>&lt;</sup>	1	1			1	1		
ENM1500 Introductory Engineering Mathematics <sup>§</sup>	1	1			1	1,2		Enrolment is not permitted in ENM1500 if MAT1100 or MAT1102 or ENM1600 or ENG1500 has been previously completed
CIV1500 Applied Mechanics <sup>§</sup>	1	1			2	1,3		Pre-requisite or Co-requisite: ENM1500 or ENM1600
ENG1003 Problem Solving in Engineering and the Built Environment <sup>§</sup>	1	1			2	1,2		
CMG1002 Residential Construction: Methods, Materials and Management <sup>&lt;</sup>	1	2			2	2		Pre-requisite: CMG1001
SVY1500 Spatial Science for Engineers	1	2			1	2		
ENG1100 Introduction to Engineering Design	1	2			1	1,2		
ENG1002 Introduction to Engineering and Built Environment Applications	1	2			2	1,2		
Practice Courses Year 1								
ENG1901 Engineering Practice 1	1	1	2	2,3			M	
Academic Courses Year 2								
LAW1501 Business Law and Ethics	2	1			3	1,2		Enrolment is not permitted in LAW1501 if LAW1500 has been previously completed.

Major study: Construction Management (Major Study Code: 17530)								
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)			
	Year	Sem	Year	Sem	Year	Sem		
ACC1201 Data Insights and Financial Performance <sup>£</sup>	2	1			4	1,2		Enrolment is not permitted in ACC1201 if ACC1101 has been previously completed.
CIV2605 Construction Engineering	2	1			4	1		
MGT2007 Leadership					3	1		
CMG2001 Job Organisation	2	2			3	2		
CMG2003 Construction Production Management <sup>&lt;</sup>	2	2			3	2		Pre-requisite: CMG1002
ENG2002 Technology, Sustainability and Society	2	2			4	1,2,3		
Minor study (Select from the Minor list	2	2	4	2				
Practice Courses Year 2								
CIV3906 Civil Materials Practice	2	1	4	3			M	Pre-requisite: MEC1201 and ENG1901 or Students must be enrolled in one of the following programs: ADCN or BCON or BCNH
Academic Courses Year 3								
CMG2002 Cost Management: Estimating, Measurement and Cost Control <sup>&lt;</sup>	3	1			5	1		Pre-requisite: CMG1001 and ENG1100
CMG3002 Contract Administration <sup>&lt;</sup>	3	1			6	1		Pre-requisite: LAW1101 or LAW1500
Minor study (Select from the Minor List)	3	1	5	1				
ENG3003 Engineering Management <sup>¥</sup>	3	1			6	1,3		
CMG3001 Building and Construction Procurement <sup>&lt;</sup>	3	2			6	2		Pre-requisite: CMG1001 and CMG2001
FIN1101 Corporate Finance <sup>*</sup>	3	2			5	2		Enrolment is not permitted in FIN1101 if FIN1100 has been previously completed (excluding BBIZ 19395 Finance major students)
ENG4110 Engineering Research Methodology	3	2			7	2		
MGT3203 Project Management Processes	3	2			6	2		Enrolment is not permitted in MGT3203 if MGT2203 has been previously completed.
Practice Courses Year 3								
ENG3902 Professional Practice 1			7	2			M	Pre-requisite: Students must be enrolled in one of the following Programs: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH or MENS
ENG4909 Work Experience - Professional					6	1,2,3		
Academic Courses Year 4								
Minor study (Select from Minor list)	4	1	7	1				
CMG4003 Commercial Construction						1		Pre-requisite: CMG2003 and CMG3001 or Students must be enrolled in the following Program: GCEN
ENG4111 Research Project Part 1 <sup>~#</sup>	4	1			8	1		Pre-requisite: ENG3902 and ENG4110 and Students must be enrolled in one of the fol



Major study: Construction Management (Major Study Code: 17530)									
Course	Year of program and semester in which course is normally studied						Residential school	Enrolment requirements	
	On-campus (ONC)		External (EXT)		Online (ONL)				
	Year	Sem	Year	Sem	Year	Sem			
								Following Programs: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH Undergraduate students must have completed 22 units in their program.	
LAW3473 Construction Law **	4	1			8	1		Pre-requisite: LAW1101 or LAW1500 or LAW1501 or ((LAW1111 and (LAW1123 or LAW1116))	
MGT3006 Employment Relations	4	2			8	2		Enrolment is not permitted in MGT3006 if MGT2006 has been previously completed.	
CMG4002 Integrated Construction Management					7	2		Pre-requisite: CMG2003 and CMG3002	
ENG4112 Research Project Part 2 ~##	4	2			8	2		Pre-requisite: ENG4111 and Students must be enrolled in one of the following Programs: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH	
Minor study (Select from the Minor List)	4	2	6	2					
Practice courses Year 4									
ENG4903 Professional Practice 2	4	1	8	2			M	Pre-requisite: ENG3902 and Students must be enrolled in: BCNH or BCON or BEBB or BEBC or BEHB or BEHI or BEHS or BENG or BENH or MENS. Students cannot enrol in ENG3902 & ENG4903 in the same semester. Co-requisite: ENG4111 or ENG4112 or ENG8411 or ENG8412	
CMG4901 Construction Management Practice ^			7	2			M	Pre-requisite: CMG4001 or CMG4003	

#### Footnotes

- < On-campus mode no longer available in Toowoomba.  
 § Unavailable online in S3 2023  
 \$ Unavailable online S2 2023  
 £ In Semester 3, 2023 this course will be delivered as a Transition (9 week) semester, commencing on 13 November 2023 and concluding on 12 January 2024  
 ¥ the Semester 3 offering of this course is available in odd-numbered years only.  
 \* The on-campus Toowoomba offering is only available in Semester 1.  
 ~ It is recommended that these courses are undertaken in the same academic year.  
 # It is recommended that students should have completed [ENG3902 Professional Practice 1](#) prior to undertaking this course  
 \*\* Course is offered in the interim trimester layer, please consult for interim trimester dates.  
 ## It is recommended that students should also be enrolled in [ENG4903 Professional Practice 2](#) while undertaking this course.  
 ^ Residential School will be held at Springfield campus.



## Building Minor recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<b>Students undertaking a Building minor should choose four (4) courses as per the following table, subject to any requisite requirements:</b>							
<a href="#">CIV2502 Structural and Building Technology</a>		2		2			
<a href="#">CMG3003 Building Services: Methods, Materials and Management</a>						1	Pre-requisite: <a href="#">CMG1001</a> and <a href="#">CIV2502</a> or S tudents must be enrolled in the following Program: MEPR
<b>Plus any two courses from the following list:</b>							
<a href="#">URP1001 Introduction to Urban and Regional Planning</a>		1				1	
<a href="#">URP3201 Sustainable Urban Design and Development</a>		2				2	
<a href="#">URP2001 Planning Structures and Statutory Planning</a>		1				1	
<a href="#">URP2002 Local Government Planning Practice and Technology</a>		2				2	
<a href="#">MGT2001 Risk Mitigation, Work Health and Safety</a>		1				1,3	

## Civil Minor recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<b>Students undertaking a Civil minor should choose four (4) courses as per the following table, subject to any requisite requirements:</b>							
CIV2701 Road Design and Location		1				1	Pre-requisite: ENM1500 or ENM1600 or Students must be enrolled in one of the following Programs: GCST or GDST or GCEN or GEPR
CIV3603 Construction Methods						2	
<b>Plus any two courses from the following list:</b>							
CIV3703 Transport Engineering		2				2	
CIV2403 Geology and Geomechanics		2				2	Pre-requisite: CIV1501 or CIV1500 or Students must be enrolled in one of the following Programs: MENS or GCEN or GEPR
CIV3403 Geotechnical Engineering		2				2	Pre-requisite: CIV2401 or CIV2403 or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS
CIV1501 Engineering Statics		2				2,3	Pre-requisite: ENM1600 or (ENM1500 and CIV1500) or Students must be enrolled in one of the following Programs: MEPR or GCEN or GEPR
CIV2503 Structural Design I		2				2	Pre-requisite: (ENG1100 and MEC2402) or (ENG1100 and CIV1501 for students enrolled in one of the following: BETC Infrastructure Management major or BENS Infrastructure Management Engineering major) or Students must be enrolled in: GCEN or GEPR
MEC1201 Engineering Materials		1				1,2,3	

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
<a href="#">MEC2402 Stress Analysis</a>		1				1	Pre-requisite: <a href="#">CIV1501</a> or Students must be enrolled in one of the following Programs: GCEN or METC or MEPR or GCNS or GDNS or MENS or GEPR
<a href="#">ENM1600 Engineering Mathematics</a>		1,2				1,2	Enrolment is not permitted in <a href="#">ENM1600</a> if <a href="#">MAT1102</a> or MAT1502 has been previously completed
<a href="#">ENV3105 Hydrology</a>		2				2	
<a href="#">ENV2103 Hydraulics I</a>		1				1	Pre-requisite: <a href="#">CIV1500</a> or <a href="#">CIV1501</a> or Students must be enrolled in the following Program: GCEN or GEPR

### Transdisciplinary Minor recommended enrolment pattern

Course	Year of program and semester in which course is normally studied						Enrolment requirements
	On-campus (ONC)		External (EXT)		Online (ONL)		
	Year	Sem	Year	Sem	Year	Sem	
Students undertaking a Transdisciplinary minor should choose four (4) courses from the other two minors, subject to any requisite requirements:							
Choose any four (4) courses from the other two minors:							
Choose a course from the other two minors		2		2			
Choose a course from the other two minors		1		1			
Choose a course from the other two minors		1		1			
Choose a course from the other two minors		2		2			