

Associate Degree of Construction (ADCN) - ADegConstruction

QTAC code (Australian and New Zealand applicants): External: 907075; Springfield campus: 927071

CRICOS code (International applicants): 089495C

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

	On-campus	External
Start:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Springfield	-
Fees:	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
Standard duration:	2 years full-time, 4 years part-time	
Program articulation:	To: Bachelor of Construction (Honours)	

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
Ask a question Freecall (within Australia): 1800 269 500 Phone (from outside Australia): +61 7 4631 5315 Email: study@usq.edu.au	Ask a question Phone: +61 7 4631 5543 Email: international@usq.edu.au	Ask a question Freecall (within Australia): 1800 007 252 Phone (from outside Australia): +61 7 4631 2285 Email usq.support@usq.edu.au

Program aims

The program aims to produce para-professional standard graduates for entry level management positions in the building and construction 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 for this level of expertise on construction projects and the program's primary aims are to:

- enable graduates to attain a diverse range of practical skills and competence to successfully coordinate and supervise a wide range of construction processes;
- develop skills in planning, monitoring and controlling the technical and logistical aspects associated with building and construction projects;
- take an active role in planning, managing and organising people and other resources on construction projects in the built environment to support other construction management professionals.

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;
- liaise with other members of the building team, clients and other external stakeholders;
- apply relevant legislation and technical standards at the appropriate level in building construction;
- accept a level of responsibility for the practical and logistical aspects of the human relations, resources, scheduling, quality control, environmental factors and social impacts involved in 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 06. Graduates at this level will have broad knowledge and skills for paraprofessional/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.

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 **62.7**, or equivalent qualification.[^]
- English Language Proficiency requirements for Category 2

Applicants are advised to also note the following:

- [Assumed knowledge](#) expectations: English; General Mathematics
- 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.

[^] 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 Associate Degree of Construction is a 16 unit program consisting of Academic courses and Practice courses comprising a core major study component and a minor study. The Associate Degree of Construction comprises either two years of full-time study or four 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	12	12	3	0
Minor Study	4	4		
Total	16	16	3	0

Required time limits

Students have a maximum of 6 years to complete this program.

Core courses

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

Courses	Units
Academic Courses	
ENG1002 Introduction to Engineering and Built Environment Applications	1
ENM1500 Introductory Engineering Mathematics^{\$}	1
CMG1001 Introduction to Construction Management and the Built Environment	1
ENG1100 Introduction to Engineering Design	1
ENG1003 Problem Solving in Engineering and the Built Environment^{\$}	1
CMG1002 Residential Construction: Methods, Materials and Management	1
CMG2001 Job Organisation	1

SVY1500 Spatial Science for Engineers	1
LAW1501 Business Law and Ethics	1
CIV2605 Construction Engineering	1
CMG2003 Construction Production Management	1
CMG2002 Cost Management: Estimating, Measurement and Cost Control	1
Practice Courses	
ENG1901 Engineering Practice 1	0
CIV3906 Civil Materials Practice	0
ENG2909 Work Experience - Associate	0

Footnotes

§ Unavailable online in S3 2023

\$ Unavailable online in S2 2023

Major studies

The Associate Degree of Construction consists of a core major study component in Construction Management and a minor study. The major study provides students with knowledge and skills in a specific discipline.

Minor Studies

The Associate Degree of Construction consists of a core major 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 one of the minors listed below.

The minor studies available are:

- Building
- Civil
- Transdisciplinary

Please refer to the recommended enrolment pattern for details.

Practical experience

To be eligible to graduate from the Associate Degree of Construction, students must obtain an aggregate of at least 30 days of suitable work experience in an architectural, engineering or construction organisation. Students are required to enrol in [ENG2909 Work Experience - Associate](#) 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 [ENG2909 Work Experience - Associate](#) 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.

Articulation

Students articulate into the [Bachelor of Construction \(Honours\)](#) program.

Exit points

Students who, for whatever reason, are unable to complete the Associate Degree of Construction, and who satisfy all of the requirements of 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 Associate Degree of Construction program. Existing work experience may be used to satisfy the practical/work experience requirements when completing the [ENG2909 Work Experience - Associate](#) practice course.

Honours

Honours will not be awarded in this program.

Other information

Full-time, on-campus students may, with the permission of the Faculty of Health, Engineering and Sciences, undertake courses by online study. This may be desirable if students wish to extend the range of courses open to them in the Approved course areas.

In exceptional cases, the Faculty may permit a student to enrol in an approved course other than those specified for the accredited program, provided the course is drawn from another accredited associate degree program in the area of Engineering and Built Environment. **Students who wish to enrol in courses other than those listed, must obtain written approval prior to enrolling in the course.**

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

Construction Management Major recommended enrolment pattern

Major study: Construction Management (Major Study Code: 17529)									
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									
ENG1002 Introduction to Engineering and Built Environment Applications	1	1			2	1,2			
ENM1500 Introductory Engineering Mathematics *\$	1	1			1	1,2		Enrolment is not permitted in ENM1500 if MAT1100 or MAT1102 or ENM1600 or ENG1500 has been previously completed	
ENG1003 Problem Solving in Engineering and the Built Environment \$	1	1			2	1,2			
CMG1001 Introduction to Construction Management and the Built Environment #	1	1			1	1			
CMG1002 Residential Construction: Methods, Materials and Management #	1	2			2	2		Pre-requisite: CMG1001	
ENG1100 Introduction to Engineering Design	1	2			1	2,1			
Minor Study (Select from the Minor list)	1	2	2	2					
SVY1500 Spatial Science for Engineers	1	2			1	2			
Practice Courses Year 1									
ENG1901 Engineering Practice 1	1	1	2	2,3			M		
Academic Courses Year 2									
CIV2605 Construction Engineering	2	1			3	1			
Minor study (Select from the Minor list)	2	1	3	1					
Minor study (Select from the Minor list)	2	1	4	1					
CMG2002 Cost Management: Estimating, Measurement and Cost Control #	2	1			4	1		Pre-requisite: CMG1001 and ENG1100	
CMG2001 Job Organisation	2	2			3	2			
LAW1501 Business Law and Ethics	2	2			3	2		Enrolment is not permitted in LAW1501 if LAW1500 has been previously completed.	
CMG2003 Construction Production Management #	2	2			4	2		Pre-requisite: CMG1002	
Minor study (Select from the Minor list)	2	2	4	2					
Practice Courses Year 2									
CIV3906 Civil Materials Practice	2	1	3	3			M	Pre-requisite: MEC1201 and ENG1901 or Students must be enrolled in one of the following programs: ADCN or BCN or BCNH	
ENG2909 Work Experience - Associate					3	1,3			

Footnotes

- * Students who achieve a high level in Year 12 Mathematics, or an equivalent mathematics program, may be eligible to replace the study of [ENM1500 Introductory Engineering Mathematics](#) with [ENM1600 Engineering Mathematics](#). Please contact the Faculty of Health, Engineering and Sciences for further information.
- \$ Unavailable online in S3 2023
- \$ Unavailable online in S2 2023
- # On-campus mode not available in Toowoomba.

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	
Students undertaking a Building minor must complete the following two courses:							
CIV2502 Structural and Building Technology		2		2			
CMG3003 Building Services: Methods, Materials and Management						1	Pre-requisite: CMG1001 and CIV2502 or S tudents must be enrolled in the following Program: MEPR
Plus any two courses from the following list:							
URP1001 Introduction to Urban and Regional Planning		1				1	
URP3201 Sustainable Urban Design and Development		2				2	
URP2001 Planning Structures and Statutory Planning		1				1	
URP2002 Local Government Planning Practice and Technology		2				2	
MGT3203 Project Management Processes		2				2	Enrolment is not permitted in MGT3203 if MGT2203 has been previously completed.

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	
Students undertaking a Civil minor must complete the following two courses:							
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	
Plus any two courses from the following list:							
CIV1500 Applied Mechanics [§]		1				1,3	Pre-requisite or Co-requisite: ENM1500 or ENM1600
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
MEC1201 Engineering Materials		1				1,2,3	
ENM1600 Engineering Mathematics		1,2				1,2	Enrolment is not permitted in ENM1600 if MAT1102 or MAT1502 has been previously completed
ENV3105 Hydrology		2				2	

Footnotes

§ Unavailable online in S3 2023

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			