Bachelor of Spatial Science (Honours) (BSPH) - BSpSc(Hons)

QTAC code (Australian and New Zealand applicants): Surveying (Springfield campus: 927221); Unspecified (External: 907225; Toowoomba campus: 907222); Urban & Regional Planning (External: 907235; Toowoomba campus: 907232)

CRICOS code (International applicants): 079520A

or urban and regional planning to be eligible to gain employment, certification and, where appropriate, registration as a Professional Surveyor, Spatial Scientist or Planner.

In addition, students obtain knowledge of the natural, legal, commercial, industrial and social environments in which they will function as professionals. The program instils in students the need for continuing professional development and is designed to identify, and award honours to, students who have the capacity to undertake study at an advanced level and to make an original contribution to the fundamental science and practice of spatial science. The class of honours will be determined by academic performance. Refer to the Honours section of this entry for further details.

Program objectives

A student who successfully completes the Bachelor of Spatial Science (Honours) should be able to apply:

- advanced knowledge in the theories, concepts, methods and technologies in the areas of surveying; spatial science; and urban and regional planning
- skills and knowledge in the analysis, synthesis and evaluation of appropriate technologies, methods and processes to solve and complete a range of surveying, spatial science and urban and regional planning activities
- advanced technical and conceptual skills to create innovative and sustainable solutions
- development of advanced technical skills to create innovative and sustainable solutions
- utilising cutting-edge technologies, supported by research to collect, store and manipulate spatial data
- knowledge and skills to operate responsibly and autonomously apply well-informed judgements regarding professional practices, theories and processes
- advanced oral and written communication skills to transmit and convey the necessary information and

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- Subject Pre-requisites: English (4,SA) and Mathematics B (4, SA) or equivalent (Geographic Information Systems and Surveying majors).
- English Language Proficiency requirements for Category 2.

Applicants are advised to also address the following:

- Recommended Prior Study: Physics (4,SA) or equivalent (Geographic Information Systems and Surveying majors).

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 2018 OP 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.

Special admissions may help you get into the program of your choice by increasing your Selection Rank. The additional points don't apply to all applicants or all programs. Please read the information about USQ's Special Admissions 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 Finder.

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 Finder.

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, via distance education/online. Students are able to calculate the fees for a particular course via the Course Fee Finder.

Program structure

The Bachelor of Spatial Science (Honours) is a 32-unit program comprising Academic courses plus Practice courses.

Academic courses are normally one-unit courses and involve approximately 155 hours of student workload per unit.

Practice courses are zero unit courses and each involves approximately 50 hours of student workload.

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Required time limits

Full-time students have a maximum of six years to complete this program. Part-time students have a maximum of 10 years to complete this program.

A pro-rata adjustment of the maximum time period will apply for those students who transfer from one mode of study to another. A pro-rata reduction in the maximum time period will apply to students who are admitted to a program with advanced standing.

Electives/Approved courses

Approved courses are part of the Academic program and students must select approved courses from a specified list.

Practice courses

The majority of the practical and professional experience requirements for the program are contained within the major recommended enrolment pattern in the following table. These are zero unit courses, which are a **compulsory part** of the program, however they do not attract a student contribution charge for Australian Residents or a tuition fee for international students.

Practical experience

Work experience is desirable and encouraged but is not required for the completion of the Bachelor of Spatial Science (Honours) program. Students are encouraged to obtain work experience during vacation periods.

IT requirements

Access to an up-to-date computer is necessary. On-campus students can access appropriately equipped laboratories, but should consider acquisition of their own computer. External students should be able to access a computer with the following minimum standards as advised by the University. All students should have access to email and the Internet via a computer running the latest versions of Internet web browsers such as Internet Explorer or Firefox. The University has a wireless network for on-campus students' computers. In order to take advantage of this facility and further enhance their on-campus learning environment, students should consider purchasing a notebook/laptop computer with wireless connectivity. Specialist software is required for some courses.

Residential schools

The attendance requirement of residential schools within this degree is indicated by the following letters: V = Voluntary; O = Optional; C = Compulsory; R = Recommended; HR = Highly Recommended; M = Mandatory. 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 es that mw1mode and the

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 and 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 Spatial Science (Honours) and who satisfy all of the requirements of either the Bachelor of Spatial Science Technology, the Associate Degree of Spatial Science or the Diploma of Engineering Studies may be permitted to exit with that award.

Credit

Exemptions/credit will be assessed based on the USQ 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 Spatial Science (Honours) program.

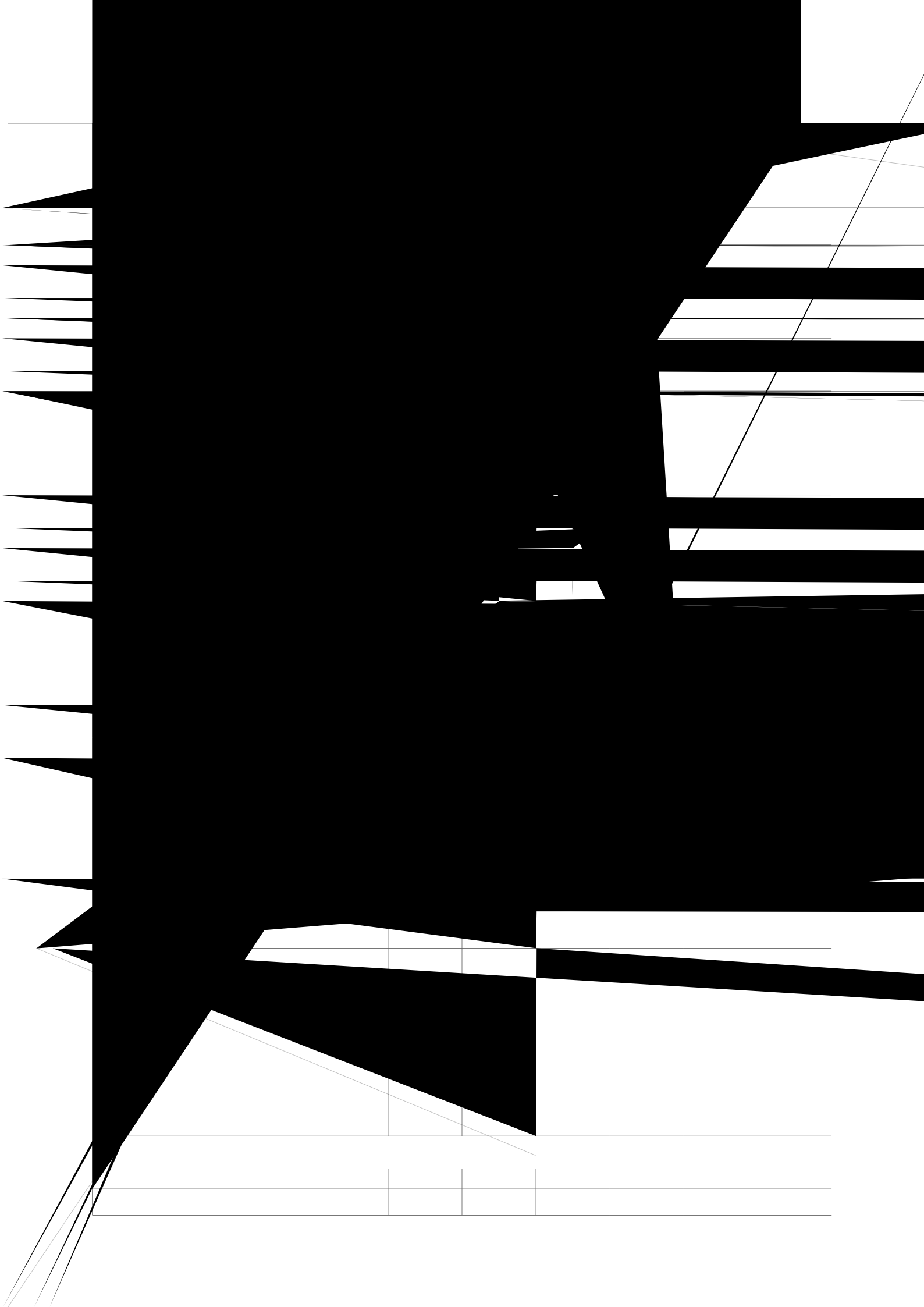
Honours

The level of honours awarded will be determined based on the USQ procedure. Please refer to the Class of Honours Standard Schedule.

Geographic Information Systems Major recommended enrolment pattern

Students are able to enrol in any offered mode of a course (on-campus, external or online), regardless of the program mode of study they enrolled in.

To satisfy the requirements of the program students must complete fy natudy the



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		
Practice Courses Year 8								
ENG4903 Professional Practice 2	8	1		2			M	Pre-requisite: ENG3902
Approved Courses (Select 5 courses from the following)								
URP2001 Planning Structures and Statutory Planning		1				1		
URP3201 Sustainable Urban Design and Development		2				2		
								Pre-requisite: URP1001 or

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: Surveying (Major Study Code: 15408)								
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		
CIV3703 Transport Engineering		2				2		
CIV1501 Engineering		2				2,3		Pre-requisite: ENG1500 or MAT1500 or ENM1600 or