

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)

CRICOS code (International applicants): 079520A

	On-campus [^]	External*
Semester intake:	Semester 1 (February) Semester 2 (July)	Semester 1 (February) Semester 2 (July)
Campus:	Springfield, Toowoomba	-
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:	4 years full-time, 8 years part-time	
Program articulation:	From: Associate Degree of Spatial Science ; Bachelor of Spatial Science Technology To: Master of Spatial Science Research ; Master of Spatial Science Technology	

Footnotes

[^] Surveying is the only major available on-campus at Springfield.

* Students enrolled in the external mode of study should note that there are mandatory on-campus residential schools held at USQ Springfield for some courses in this program.

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

Professional accreditation

The Bachelor of Spatial Science (Honours) (Surveying) is fully accredited by the Surveyors Board of Queensland and is recognised in every Australian state and in New Zealand through reciprocal arrangements. The degree, together with relevant industry experience, enables registration and/or licensing as a professional surveyor with the Boards of Surveyors in Australia and New Zealand.

Graduates from the Bachelor of Spatial Science (Honours) are eligible to apply for membership with the [Surveying and Spatial Science Institute Australia](#).

Program aims

The Bachelor of Spatial Science (Honours) program provides students with the educational requirements to become a professional spatial scientist and the ability to undertake postgraduate studies. The program equips students with a core of theoretical, scientific, analytical, managerial, professional, research and communication skills that will permit them to undertake an in-depth study of the fundamental science and practice of spatial science in one of two fields: Geographic Information Systems (GIS) or Surveying. The program provides students with sufficient knowledge of surveying and spatial information systems to be eligible to gain employment, certification and, where appropriate, registration as a Professional Surveyor or Spatial Scientist.

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 and spatial science
- skills and knowledge in the analysis, synthesis and evaluation of appropriate technologies, methods and processes to solve and complete a range of surveying and spatial science
- development of advanced technical and cognitive 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 accept responsibility 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 ideas to relevant stakeholders
- consistent adaptation and application of academic norms and ethical standards in decision making when working collaboratively in a professional capacity
- knowledge of surveying and spatial information systems of sufficient depth to be eligible for employment, certification and, where appropriate, registration as a Professional Surveyor or Spatial Scientist.

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.

Program Information Set

View USQ'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 Overall Position (OP) **11**, tertiary entrance rank **77** or equivalent qualification.[^]
- Subject Pre-requisites: English (4,SA) and Mathematics B (4, SA) or equivalent.
- English Language Proficiency requirements for Category 2.

Applicants are advised to also address the following:

- Recommended Prior Study: Physics (4,SA) 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 2019 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.

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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 b

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) programme


