

Physical Science (BSPS) - BSpSc

For New Zealand applicants): Unspecified (Toowoomba campus: 907222; Distance education: 907232; Distance education: 907235)

Applicants): 053511E

Continuing students. No new admissions will be accepted. Students who should consider the which will be offered from S1 2014.

On-campus	Distance education
(February) (July)	Semester 1 (February) Semester 2 (July) Semester 3 (November)
1	-
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
time, 8 years part-time or external	
Associate Degree of Spatial Science; Bachelor of Spatial Science Technology of Spatial Science Research; Master of Spatial Science Technology .	

International students

skills required to find unique solutions to problems – solutions that are expected to be both socially and environmentally responsible. Students will use advanced skills and knowledge acquired in analysis, measurement science and computing to complete surveying and spatial information projects. The Bachelor of Spatial Science may be awarded with Honours for high achieving students.

Career opportunities

Professional Surveyor in property surveying, land development, land information, mapping, engineering or the mining industry and State, Commonwealth and Local Government agencies.

Urban and Regional Planning Major

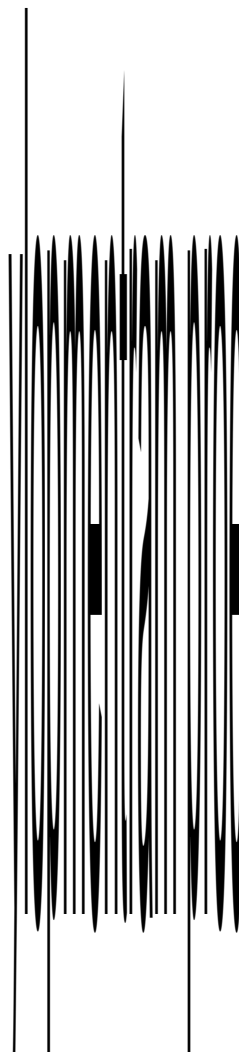
This program provides students with the knowledge and skills required to design communities and assess the impact of development on other residents. Students will gain knowledge of the regulatory controls that facilitate sustainable urban development, environmental planning and natural resource management.

Career opportunities

Professional Planners are employed in Local, State and Federal Government agencies, property development companies or in private consultancies.

Professional accreditation

The Bachelor of Spatial Science (Surveying) L1 59.5i por



- an understanding of, and ability to undertake, the processes required to collect, store, and manipulate a variety of spatial data
- a capacity to adapt to change and to apply innovation
- an understanding of the natural, social, professional, industrial and technical environments in which they will practice
- a knowledge of professional journals and other information sources related to the spatial science industry, the skills required to access information from those sources, and an aptitude to undertake further learning and study
- an ability to undertake applied research in a field of the spatial science discipline
- a knowledge of the financial and management principles and practices that are used to manage a professional office
- a knowledge of surveying, spatial information systems or urban and regional planning of sufficient depth to gain employment, certification and, where appropriate, registration as a Professional Surveyor, Spatial Scientist or Planner.

Admission requirements

Applicants shall normally:

- Geographic Information Systems and Surveying majors: have studied four semester units and achieved an exit assessment of 'Sound Achievement' or better in each of the following Queensland Senior Secondary School subjects: English and Mathematics B. It is recommended that applicants should also have satisfactorily completed the subject: Physics
- Urban and Regional Planning Major: have studied four semester units and achieved an exit assessment of 'Sound Achievement' or better in each of the following Queensland Senior Secondary subjects: English and Mathematics A.

or

- be able to demonstrate that they have achieved an equivalent standard in these subjects at another institution

and

- **Australian applicants:** have achieved a Queensland Overall Position (OP) band, or an equivalent Rank based on qualifications and previous work experience, at or above the specified cut-off level
- **International applicants:** must have met the University's [English language](#) requirements or have completed the University's [ELICOS/EAP](#) programs.

How to apply

All applications should be made through the Queensland Tertiary Admissions Centre (QTAC).

[Application for undergraduate programs](#) may be made through the Queensland Tertiary Admissions Centre (QTAC). The same procedure applies whether you plan to study on-campus or by distance education.

If you completed Year 12 at a Queensland secondary school you will be assessed for entry on the basis of your Overall Position (OP) or equivalent score. Year 12 students from other states or territories are considered for entry on the basis of their UAI, ENTER or TER and the subject prerequisites indicated. Other applicants will be based on their own

Program fees

Commonwealth supported place

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

Program structure

The Bachelor of Spatial Science is a 32-unit program consisting of Academic courses and Practice courses.

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

Practice courses are zero unit courses and each involves approximately 50 hours of student work. The only grades available for a Practice Course are Pass (P) and Fail (F). A Practice Course is designed to enable students to acquire specific competencies associated with their major study. The competencies range from specific practical and communication skills through to generic competencies relating to ethical and social responsibility, awareness of the environment, teamwork, etc. For an external student a Practice Course generally involv

Practical experience

Practical experience is desirable and encouraged but is not required for the completion of the Bachelor of Spatial Science program. Students are encouraged to obtain practical 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. A notebook/laptop may be required for some courses.

Residential schools

External students are required to attend a number of [residential schools](#) during their program. These are associated with b

The programs in Surveying, Geographic Information Systems and Urban and Regional Planning also articulate to and from each other and enable students to move between Surveying, Geographic Information Systems and Regional Planning degrees, whilst still retaining a significant amount of credit.

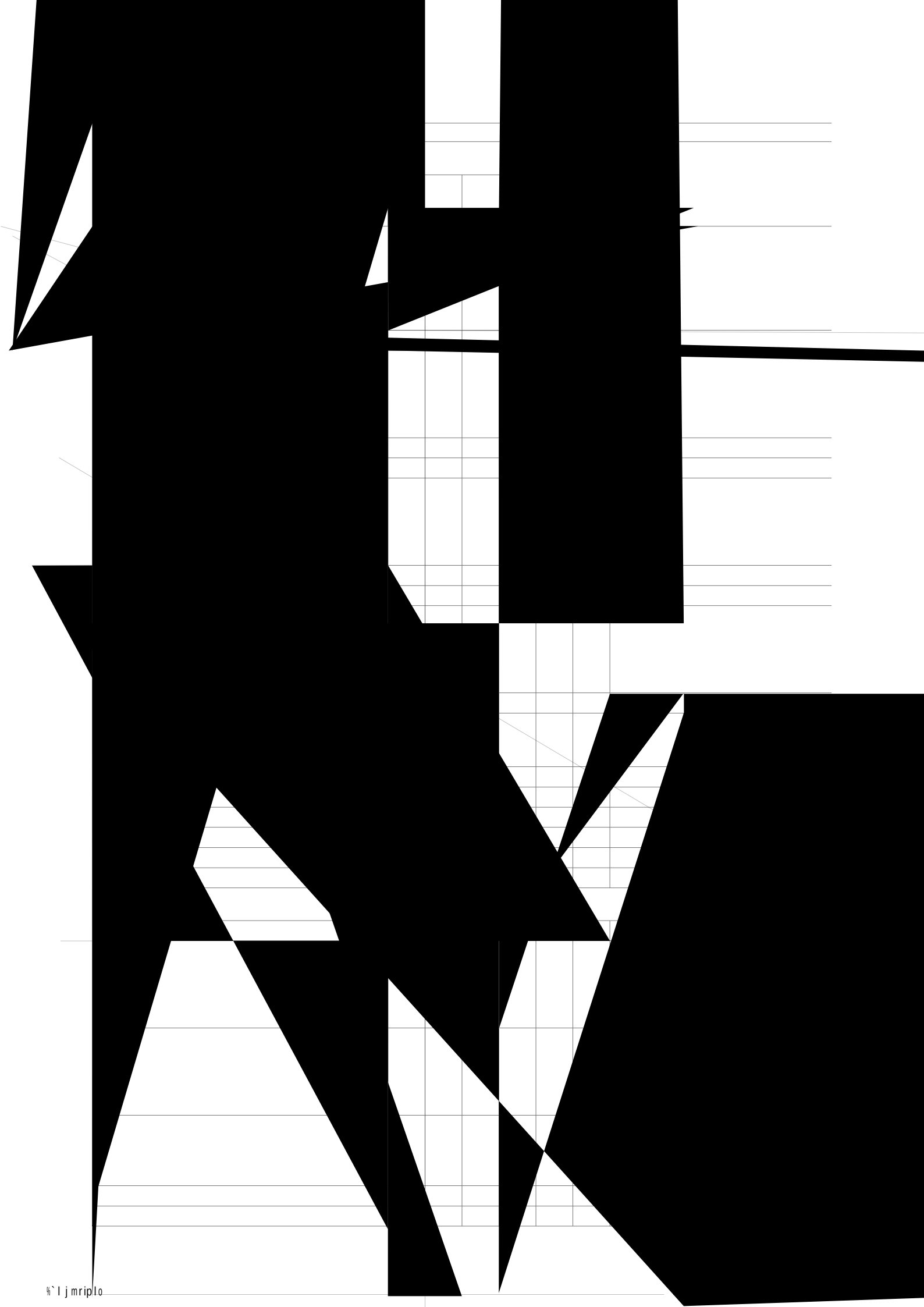
Prospective students who wish to upgrade an existing qualification should contact the Faculty to obtain information about likely exemptions and recommended enrolment patterns for their upgrade program.

Exit points

Students who, for whatever reason, are unable to complete the Bachelor of Spatial Science and who satisfy all of the requirements of either the [Bachelor of Spatial Science Technology](#), the [Associate Degree of Spatial Science](#) or the

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Footnotes



Urban and Regional Planning recommended enrolment pattern

