Undergraduate Degree Programs in Spatial Science

Career opportunities in surveying and spatial science are growing at an increasing rate, both in Australia and overseas – so now is the perfect time to get qualified.

At USQ, our Spatial Science programs are not only diverse, you have total control over how you study. With the Faculty of Engineering and Surveying being one of Australia's best teaching providers of engineering and spatial science programs, USQ Engineering and Spatial Science graduates enjoy fantastic employment prospects. In fact, many of our students have either secured employment before they even graduate, or else are already employed and studying part-time to enjoy faster career progression.

About the program

USQ is the leading provider of Spatial Science degree programs, being the only provider to offer programs by distance education that are fully accredited with the Surveying and Spatial Science Institute of Australia and the Australian/New Zealand Boards of Surveyors. Of course if you choose you can study on-campus in Toowoomba or mix it up and study multi-model, which means you enrol in class offerings to suite your needs. USQ offers three undergraduate programs and you can choose to major in either Geographic Information Systems (GIS) or Surveying – Associate Degree 2 years full-time or 4 years part-time (external), Bachelor of Spatial Science Technology 3 years full-time or 6 years part-time (external) and the Bachelor of Spatial Science (Honours) 4 years full-time or 8 year part-time (external).

Articulation

This means you can easily extend or decrease the length and intensity of your program as necessary by switching between programs.
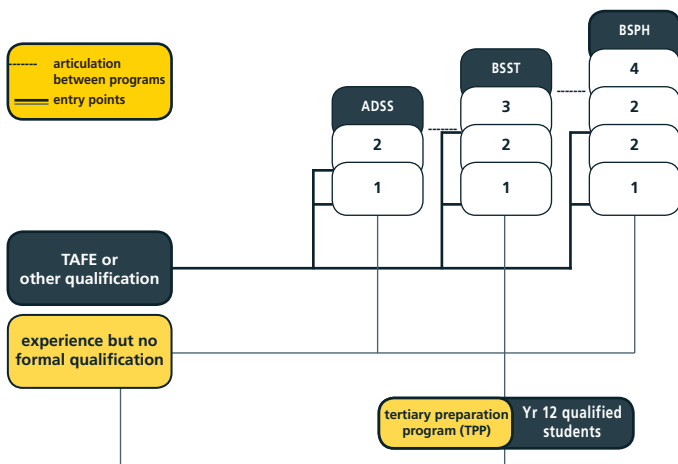
What is it?

The **Surveying** major provides students with the opportunity to apply new and sophisticated computing technology to surveying and mapping projects. In addition to the core analytical and scientific skills, students undertake studies in global positioning systems, digital mapping, mine surveying, land planning and geographic information systems. The program provides students with a great mixture of practical and theoretical training in surveying and mapping.

GIS is a powerful new technology having a major impact on many professions. It is an information system that uses computer-based maps generated from data collected in the field, by aerial surveying or by satellite. GIS can help people manage resources more effectively, manage local government assets more economically and analyse data precisely. The greatest impact of GIS has been in the mapping industry. The **GIS** major provides students with the skills to analyse geographic data and help people with decision-making in a range of areas, such as engineering, planning, environmental science, commerce and surveying

Eligibility

USQ's entry program the Associate Degree in Spatial Science requires year 12 English (4SA) or equivalent.We recommend that you should also have satisfactorily completed the subject Mathematics B (Mathematics A is assumed). Both the Bachelor of Spatial Science Technology and the Bachelor of Spatial Science require Year 12 (4SA) and Mathematics B (4SA) or equivalent. International students must ensure they meet the University's English Language requirements:
www.usq.edu.au/international/apply

Application process

How to apply for Australian and New Zealand citizens. Applications to all Engineering and Spatial Science undergraduate programs are made via QTAC (Queensland Tertiary Admissions Centre). Applications can be lodged via:

- QTAC's online application service at: **www.qtac.edu.au**
- QTAC Tertiary Study Application Form is available from the QTAC guide: 'Tertiary Courses' which can be purchased from newsagencies throughout Queensland.

International students should visit the website:
www.usq.edu.au/international/apply

If you don't currently meet the entry requirements for the program you are interested in, you can still apply for entry into a preparatory program.

+61 7 4631 2525 • study@usq.edu.au • www.usq.edu.au/engsurv