Graduate Diploma of Spatial Science Technology (GDST) - GradDipSpScTech
CRICOS code (International applicants): 072982E

<table>
<thead>
<tr>
<th>On-campus</th>
<th>Online*</th>
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<tbody>
<tr>
<td>Semester intake:</td>
<td>Semester intake:</td>
</tr>
<tr>
<td>Semester 1 (February)</td>
<td>Semester 1 (February)</td>
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<tr>
<td>Semester 2 (July)</td>
<td>Semester 2 (July)</td>
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<tr>
<td>Semester 3 (November)</td>
<td>Semester 3 (November)</td>
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<td>Campus:</td>
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<tr>
<td>Toowoomba</td>
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<tr>
<td>Fees:</td>
<td>Fees:</td>
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<tr>
<td>Commonwealth supported place</td>
<td>Commonwealth supported place</td>
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<tr>
<td>Domestic full fee paying place</td>
<td>Domestic full fee paying place</td>
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<tr>
<td>International full fee paying place</td>
<td>International full fee paying place</td>
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<tr>
<td>Standard duration:</td>
<td>2 semesters full-time or 4 semesters part-time or by distance learning</td>
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<tr>
<td>Program articulation:</td>
<td>Program articulation:</td>
</tr>
<tr>
<td>From: Graduate Certificate of Spatial Science Technology</td>
<td>To: Master of Spatial Science Technology</td>
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Footnotes
* Semester 3 commencement — only the Geographic Information Systems major is available for part-time commencement in Semester 3.

Contact us

Future Australian and New Zealand students
Ask a question
Freecall (within Australia): 1800 269 500
Phone (from outside Australia): +61 7 4631 5315
Email: study@usq.edu.au

Future International students
Ask a question
Phone: +61 7 4631 5543
Email: international@usq.edu.au

Current students
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 Graduate Diploma of Spatial Science Technology is not accredited by any professional bodies other than the University of Southern Queensland.

Program aims
The Graduate Diploma of Spatial Science Technology (GDST) program produces graduates who are skilled in the area of spatial science theory and evaluation. It allows students to advance their knowledge of a spatial science discipline area for industry application, research or management purposes.

Program objectives
On completion of this program graduates should be able to:

- apply and analyse advanced theoretical knowledge and technical skills in a spatial science discipline.
- critically evaluate knowledge from professional journals and other information sources to exercise independent judgement and communicate relevant ideas and theoretical concepts in their specialisation.
- acquire and demonstrate an integrated understanding of a complex body of knowledge in a spatial science discipline or area of professional practice.
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.

Admission requirements

To be eligible for admission, applicants must satisfy the following requirements:

- Completion of an Australian university three or four year Bachelor degree in the area of a discipline approved by the Faculty of Health, Engineering and Sciences, or equivalent
  Or
  A minimum of five (5) years' professional work experience equivalent to a qualification at AQF Level 7.
- English Language Proficiency requirements for Category 3.

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.

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 Graduate Diploma of Spatial Science Technology consists of eight units and is a one year full time on-campus program that may also be studied externally over two years. Students completing the Graduate Diploma of Spatial Science Technology select eight courses from the appropriate recommended enrolment pattern, including the core courses as specified in the specialisation, as follows:

Schedule A: five core courses (five units)
Schedule B: a three course specialisation (three units)

Required time limits
Full-time students have a maximum of two years to complete this program. Part-time students have a maximum of four 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-rate reduction in the maximum time period will apply to students who are admitted to a program with advanced standing.

Specialisation
The specialisation study provides students with knowledge and skills in a specific discipline. The two specialisation study areas in the Graduate Diploma of Spatial Science Technology are:

- Geographic Information Systems
- Surveying.

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. Students should be able to access a computer with the following minimum standards. 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.

Articulation
Graduates from this program may articulate with full credit into the Master of Spatial Science Technology in the same specialisation.

Exit points
Students who for whatever reason, are unable to complete the Graduate Diploma of Spatial Science Technology, and who satisfy all of the requirements of the Graduate Certificate of Spatial Science Technology, may be permitted to exit with that award.

Credit
Exemptions/credit will be assessed based on the USQ Credit and Exemption Procedure.
Geographic Information Systems specialisation 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.

<table>
<thead>
<tr>
<th>Specialisation: Geographic Information Systems (Specialisation Study Code: 12704)</th>
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<tbody>
<tr>
<td><strong>Course</strong></td>
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<tr>
<td>GIS1402 Geographic Information Systems</td>
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<td>ENG8001 Engineering Research Methods</td>
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<tr>
<td>ENG8104 Asset Management in an Engineering Environment</td>
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<tr>
<td>MGT8070 Property Development</td>
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<tr>
<td>CIS8010 Information Systems Project Management</td>
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Schedule A: Students must complete the following core courses
- GIS1402 Geographic Information Systems 1,3
- ENG8001 Engineering Research Methods 1,2,3
- ENG8104 Asset Management in an Engineering Environment 1
- MGT8070 Property Development 1
- CIS8010 Information Systems Project Management 2

Schedule B: Select the three remaining courses from the following list
- GIS3405 Spatial Analysis and Modelling 2, 2
- GIS3406 Remote Sensing and Image Processing 2, 2
- GIS3407 GIS Programming and Visualisation 1, 1
  Pre-requisite: GIS1402 and CSC1401 or Students must be enrolled in one of the following Programs: GDST or MSST or GCST or MENS or MSPT
- SVY3202 Photogrammetry and Remote Sensing 1, 1
- GIS4407 Web Based Geographic Information System 2, 2
  Pre-requisite: GIS1402 or Students must be enrolled in one of the following Programs: GCST or GDST or MSPT or GCNS or GDNS or MENS
- SVY1110 Introduction to Global Positioning System 2, 2
- SVY3200 Land Administration 2, 2
- URP4002 Urban and Regional Planning Theory 2, 2
  Pre-requisite: URP1001 or URP3201 or Students must be enrolled in one of the following Programs: GDST or MSPT or GCNS or GDNS or MENS or GCBU or MPPM
- GIS3008 Applications of GIS and Remote Sensing 2, 2
  Pre-requisite: GIS1402 and GIS3406 or Students must be enrolled in one of the following Programs: GCST or GDST or MSPT
- CSC1401 Foundation Programming 1,2,3

Surveying specialisation 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.

<table>
<thead>
<tr>
<th>Specialisation: Surveying (Specialisation Study Code: 12705)</th>
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<td><strong>Course</strong></td>
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<tr>
<td>SVY1104 Survey Computations A</td>
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<tr>
<td>ENG8001 Engineering Research Methods</td>
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<tr>
<td>ENG8104 Asset Management in an Engineering Environment</td>
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Specialisation: Surveying (Specialisation Study Code: 12705)

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<tr>
<th>Course</th>
<th>Year</th>
<th>Sem</th>
<th>Year</th>
<th>Sem</th>
<th>Online</th>
<th>Enrolment requirements</th>
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<tbody>
<tr>
<td>MGT8070 Property Development</td>
<td>1</td>
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<tr>
<td>MGT8072 Property Ownership Management</td>
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Schedule B: Select the three remaining courses from the following list

SVY2106 Geodetic Surveying A  
SVY3107 Geodetic Surveying B  
SVY2301 Automated Surveying Systems  
SVY3202 Photogrammetry and Remote Sensing  
SVY1110 Introduction to Global Positioning System  
SVY4304 Land and Cadastral Law  
SVY3200 Land Administration  
SVY2302 Mine Surveying  
SVY4309 Practice Management for Spatial Scientists  
SVY3304 Cadastral Surveying (Queensland)