SURVEYING CAREERS

SURVEYING

INFORMATION BOOKLET

CHART NEW HORIZONS WITH A CAREER IN SURVEYING



WHAT IS SURVEYING?

WHAT IS A SURVEYOR?

Surveying is the science and art of measuring, mapping and interpreting the physical world, allowing land, infrastructure and environmental projects to be designed, built and maintained with accuracy.





Surveyors play a critical role in facilitating land development and infrastructure growth. Before a school can be built, a surveyor establishes the current site conditions and defines the site boundary. Before a road can be constructed, a surveyor provides the boundaries of the construction.

Surveying isn't limited to land, other specialisations include;

- Construction
- Civil
- Mining
- Engineering
- Hydrographic
- Forensic
- Aerial

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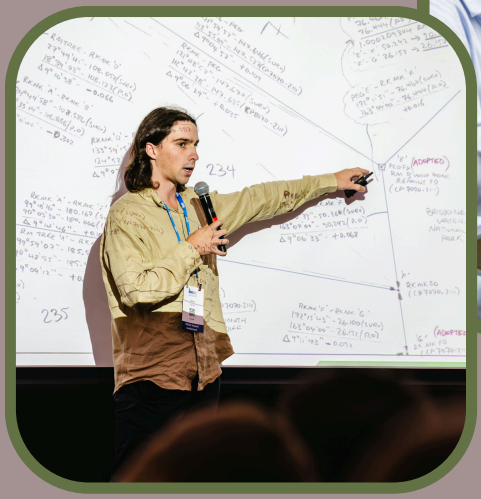
WHAT IS SURVEYING?

WHAT IS A REGISTERED SURVEYOR?

A **Registered Surveyor** is the only person who can legally define title boundaries required for the transfer of land titles and to settle disputes over land tenure.
Being a Registered Surveyor requires completion of a **Bachelors Degree** and then completing the requirements and examinations set by the Board of Surveying and Spatial Information (**BOSSI**).
Each state has different requirements and If you practice in multiple states you can be receive dual registration.

To find out more go to BOSSI's website: www.bossi.nsw.gov.au





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WHAT IS SURVEYING?

WHO DOES A SURVEYOR WORK WITH?

Surveyors work with engineers, architects, lawyers and developers throughout the completion of projects by monitoring the construction to ensure they are laid out and built to exact measurements.
Surveyors also liaise with landowners, service authorities and Government bodies.





While you may sometimes see Surveyors working on their own.
There are still plenty of opportunities for collaboration with peers; in the field, office or at conferences/seminars.

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WHAT IS SURVEYING?

SPECIALISATIONS IN SURVEYING

Land or cadastral surveying involves determining property boundaries and land ownership.

Engineering surveying is used for the construction of large infrastructure like bridges, or tunnels.

Aerial surveying/photogrammetry involves taking measurements from the skies using drones, aeroplanes and other unmanned aerial vehicles (UAVs).





Geodetic involves taking measurements of the Earth's size and shape.

Mining surveying involves monitoring ground movement, locating underground roadways and calculating volumes.

Hydrographic surveying involves taking measurements of sea beds, rivers and other waterways.

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SURVEYING WORKFORCE

WHO WOULD MOST SUIT A CAREER IN SURVEYING?



Students with diverse interests, including Maths, Geography, Physics, HPE, Engineering, IT, and Science, would find surveying an excellent career choice. This dynamic field combines technical expertise, problem-solving, and outdoor exploration, making it ideal for those passionate about innovation, spatial technologies, and contributing to the built environment.

"Surveying offers significant opportunities for young people seeking a diverse and varied career. As McCrindle research found in 2013, the national demand for new surveyors means graduates are more likely to secure jobs in surveying compared with many other professions, with an average of over 90% of graduates in full-time employment. The remuneration is excellent, the variety of work is extensive and Australian surveyors can get a job anywhere in the world! Often graduates work in either the private or public sector on urban development or construction projects. As they develop skills and experience, many surveyors run their own business"

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SURVEYING WORKFORCE

IS THERE AN OPPORTUNITY TO TRAVEL FOR WORK?

Surveying opens opportunities to work in fascinating locations. Many Surveyors embark on global adventures, conducting seismic surveys, oil exploration, hydrographical (waterway) surveys, or working offshore on drilling rigs and rural town planning projects.







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SURVEYING WORKFORCE

WHAT KIND OF SALARIES ARE ON OFFER?

With a nation wide shortage of Surveyors, the profession offers a **competitive salary.**
It should be noted, experience levels will ultimately determine salary.

Surveyor **assistants** can start on an average of **$55k-$65k**, these positions will typically be open to young people who are enrolled in a Surveying Course or show a strong interest in making Surveying their career pathway.

Graduate Surveyors earn on average **$70k-$90k**.

Registered Surveyors and Surveyors in **managerial roles** can earn packages around **$150k-$200k** per year.

Different disciplines of surveying offer different salaries based on the type of work. Outback and offshore works pay considerably more.



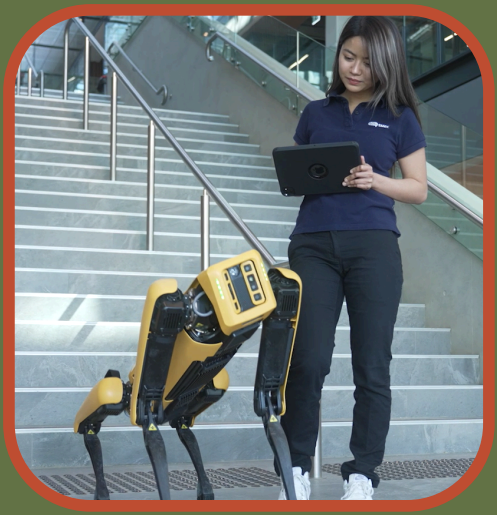


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SURVEYING WORKFORCE

WOMEN IN SURVEYING

There are numerous women who have been instrumental in shaping the profession of surveying - they have paved the way for future generations through their work aiding advancements in technology, significant contributions in practical and research endeavors, leading challenging projects to success and inspiring surveyors from all walks of life.





Surveying is currently a male dominated industry however, recent numbers have shown a rise in the number of women who are entering a career in Surveying. There are many scholarship opportunities for women who wish to undertake study pathways and graduate programs related to STEM careers including Surveying.

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STUDY SURVEYING

HOW DO I BECOME A SURVEYOR?



Full-time and part-time study options across the country are provided by a limited amount of Universities, TAFEs & the Industry Training Alliance (ITA).

There are opportunities to start as a Surveyor assistant/field hand with minimal experience or qualifications.
You can then progress to completing an Undergraduate Certificate or more.



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STUDY SURVEYING

UNIVERSITY OF NEW SOUTH WALES

UNSW offers two Surveying courses both of which are Bachelors of Engineering (Honours), one majors in Surveying and one is a double degree of Civil and Surveying.

UNSW is the top University in Australia for Engineering & Technology and if you study a relevant diploma at TAFE NSW, you are eligible to receive up to 60 units of credit towards your degree.

UNSW offers;

- **Bachelor of Engineering (Honours) (Surveying)**
- **Bachelor of Engineering (Honours) (Civil)/Surveying**

Both of these degrees are recognised by BOSSI as approved qualifications for pursual of registration in NSW.





SURVEYING CAREERS

STUDY SURVEYING

UNIVERSITY OF NEWCASTLE

UNIVERSITY OF
NEWCASTLE





New enrolments begin from 2027 for the University of Newcastle courses/degrees listed below.

UoN offers;

- **Diploma in Surveying**
- **Bachelor of Surveying (Honours)**
- **Bachelor of Surveying (Honours)/Bachelor of Civil Engineering (Honours)**
- **Bachelor of Surveying (Honours)/Bachelor of Business**
- **Master of Professional Engineering (Geospatial Engineering and Surveying)**

The Honours degree is recognised by BOSSI as an approved qualification for pursual of registration in NSW.

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STUDY SURVEYING

UNIVERSITY OF SOUTHERN QUEENSLAND

UniSQ





The UniSQ offers an Associate, Bachelor and Honours in Surveying and Surveying Technology from Springfield campus along with online learning alternatives.

UniSQ is Australia's largest Surveying education provider accredited by the Surveyors Board of Queensland and is recognised Australia wide.

UniSQ offers;
Associate Degree of Surveying,
Bachelor of Surveying Technology
Bachelor of Surveying (Honours)

The Honours degree is recognised by BOSSI as an approved qualification for pursual of registration in NSW.

SURVEYING CAREERS

STUDY SURVEYING

TAFE NSW

TAFE NSW offers:

- Certificate III Surveying and Spatial Information
- Certificate IV of Surveying and Spatial Information Services and
- Diploma of Surveying

The following TAFE campuses offer the different qualifications:

- **Ultimo** - Cert III, Cert IV and Diploma
- **Yallah** - Cert III and Diploma
- **Newcastle** - Cert III, Cert IV and Diploma
- **Thurgoona** - Cert III, Cert IV and Diploma

Study times:
Cert III - Full time 4 months, part time 12 months
Cert IV - Full time 4 months, part time 8 months
Diploma - Full time 12 months, part time 2 years





SURVEYING CAREERS

STUDY SURVEYING

INDUSTRY TRAINING ALLIANCE

CPP41721 Certificate IV in Surveying and Spatial Information Services (Surveying)

- There are no prerequisites to enrol in this course i.e. you don't need to have completed a Cert III in Surveying to enrol, however, you must;
  - be employed full time in the surveying industry at the time of enrolment and for the duration of the course and
  - be an Australian Citizen or Permanent Resident.



CPP50121 Diploma of Surveying

Entry requirements are:

- Completion of CPP40216 Certificate IV in Surveying

or

- Completion of CPP41721 Certificate IV in Surveying and Spatial Information Services (Surveying)

or

- demonstrated relevant vocational experience, skills and knowledge commensurate with the scope of work covered in the CPP41721 Certificate IV in Surveying and Spatial Information Services (Surveying).

and

- must be employed full time in the surveying industry at the time of enrolment and for the duration of the course and be an Australian Citizen or Permanent Resident

SURVEYING CAREERS

WHAT DOES SURVEYING CAREERS DO?

FACILITATE WORK EXPERIENCE

Interested in Surveying but not sure where to start?

Work experience is a great way to gain insight into what a career in surveying could look like for you.

By spending time with working Surveyors you will be able to get hands on experience both in the field and in the office, discovering the skills and technology which are involved with a career in Surveying.



Scan the QR code to register your interest or email Surveying Careers!

SURVEYING CAREERS

WHAT DOES SURVEYING CAREERS DO?

HOST HANDS-ON EVENTS & ENGAGEMENT DAYS

Surveying Careers hosts various events throughout the year to provide students with the opportunity to immerse themselves into the surveying profession, gain hands-on experience and explore potential career pathways.

Surveying Unleashed
Offer immersive, interactice days where high school students experience surveying tools, technologies and career discussions.

Drones, Data & Directions
Our latest initiative which is a two-day program highlighting emerging technology in the profession including drones, total stations and GPS.

Maths in Surveying
Shows real-world applications of mathematics through hands-on activities, helping link classroom learning with career pathways.

Let's Locate
A geospatial STEM four day school holiday program which develops practical surveying and mapping skills with industry partners.

Visit our website to register for an upcoming event









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WHAT DOES SURVEYING CAREERS DO?

ATTEND CAREER EXPOS

Surveying Careers enjoys attending career expos as they give students and career changers the chance to explore different industries, speak directly with professionals and employers as well as learn about; career pathways, study options and job opportunities.
They also help students build confidence, make connections and gain better understanding of the careers that match their interests and skills.

If you'd like Surveying Careers to attend an upcoming expo please contact us!











SURVEYING CAREERS

WHAT DOES SURVEYING CAREERS DO?

PROVIDE EDUCATIONAL RESOURCES

We know choosing a career can be stressful and confusing! Surveying Careers provides educational resources to help students, teachers and parents gain a deeper understanding of different career pathways, industry expectations, and the qualifications needed for future employment within the surveying profession.

Resources such as information booklets, brochures, websites and workshops allow students to explore their interests, develop knowledge and skills, and make informed decisions about their education and career goals.

Access to accurate and up to date information also helps students feel more prepared for future opportunities.

Visit our website to download our educational resources.
Scan the QR code for quick access!



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CONTACT US

FOR MORE INFORMATION

Please reach out if you have any questions or queries.

0422 356 760

nsw@surveyingcareers.com.au

www.surveyingcareers.com.au

Surveying Careers has the following resources and events on offer to provide additional information:

- Information booklets
- Become a Surveyor Brochure
- Study pathways information
- Work experience opportunities
- Career Expos
- Hands-on events and engagement days

  e.g. *Drones, Data & Directions*, *Maths in Surveying*, *Let's Locate* and *Surveying Unleashed*

If you would like to receive more information please scan the QR code below or email Surveying Careers!

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