

# SPATIAL SCIENCES THE FACTS

## WHAT IS SPATIAL SCIENCE?

Spatial science information influences everything we all do every day. Surveyors, mapping specialists, land developers, paleontologists, meteorologists and hundreds of other professionals use spatial (locational) information to inform important decisions that impact natural and built environments around the world.

## WHAT ARE THE SPATIAL TECHNOLOGIES?

Google Earth is an example of spatial technology. It uses satellite technology and gives users access to the virtual world. Satellite navigation systems used in cars and mobile phones are also 'spatial tools' and good examples of the world of tools that are available to Spatial Science professionals.

## WHERE MIGHT A CAREER IN THE SPATIAL SCIENCES LEAD ME?

It's an exciting career choice with limitless opportunities – from crime analysis to surveying, and everything in between. You can be outdoors or in a city office. Wherever you are, you will use the latest technology to do your job.

You might find yourself mapping the movement of migrating whales, measuring the impact of global warming, finding the best place for a shopping centre or a dam, identifying the potential lava streams of a volcano or analysing the areas where most crimes are committed – students of the Spatial Sciences are in very high demand and the career pathways are many. You can travel the world with a Spatial Sciences qualification. The work is dynamic and challenging and the technology is leading edge.

## HOW CAN I START MY CAREER IN THE SPATIAL SCIENCES?

- Via a traineeship or an apprenticeship at TAFE
- Via a three or four year degree course in the spatial sciences at university
- Via a two year Associate Degree course
- By adding spatial science subjects to your chosen university course or post-graduate studies



Find your destination  
[www.spatialsciences.org/careers](http://www.spatialsciences.org/careers)



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## WHERE CAN I STUDY SPATIAL SCIENCES IN QUEENSLAND?

**Queensland University of Technology – QUT**  
[www.bee.qut.edu.au/study/courses/surveying/  
undergraduate.jsp](http://www.bee.qut.edu.au/study/courses/surveying/undergraduate.jsp)

**University of Southern Queensland – USQ**  
[www.usq.edu.au/handbook/current/eng.html](http://www.usq.edu.au/handbook/current/eng.html)

**University of Queensland – UQ**  
[www.uq.edu.au/study/studyarea.html?area=sci\\_tech](http://www.uq.edu.au/study/studyarea.html?area=sci_tech)

**Griffith University – GU**  
[www.gu.edu.au/academicprogramsandcourses](http://www.gu.edu.au/academicprogramsandcourses) follow  
the prompts to Environmental Science

**James Cook University – JCU**  
[www.tesag.jcu.edu.au/courses/analysis.shtml](http://www.tesag.jcu.edu.au/courses/analysis.shtml)

**Tropical North Queensland Institute of TAFE**  
(flexible online learning)  
[www.tnqit.tafe.qld.gov.au/index.html](http://www.tnqit.tafe.qld.gov.au/index.html)

## WHAT ARE THE PREREQUISITES FOR ENTRANCE TO UNIVERSITY SPATIAL SCIENCES COURSES?

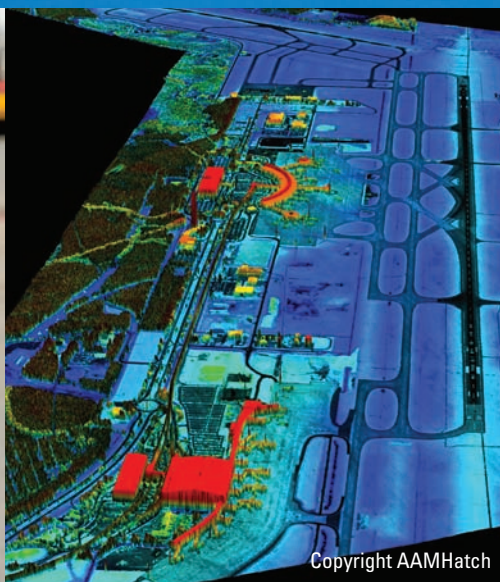
- For surveying or Geographic Information Systems (GIS) you will need: English (4, SA) and Maths B (4, SA)
- For Science or Applied Science you will need: English, Maths B, Physics or Chemistry
- For apprenticeship levels, Science, Geography and IT are a good start.

## HOW MUCH CAN I EXPECT TO EARN AS A SPATIAL SCIENCE GRADUATE?

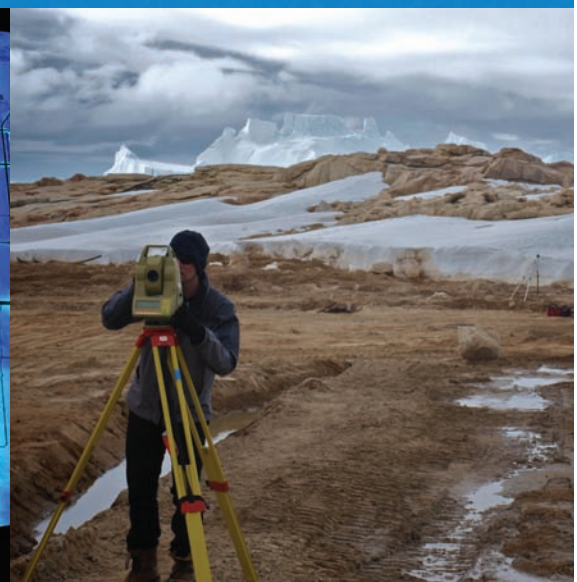
According to surveys on Grads Online, Earth Sciences graduates are fourth after dentistry, optometry and medicine and on a par with engineers. See [www.graduatecareers.com.au/content/view/ful/24](http://www.graduatecareers.com.au/content/view/ful/24) for the latest research on graduate salaries.

## CAN I BE ASSURED OF GETTING A JOB WHEN I FINISH MY STUDY?

The industry has expanded rapidly in recent years, and spatial science jobs have been opening up at every level. Spatial science is important across many essential industry sectors, ensuring continued demand for people with spatial skills.



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