



Diploma of Surveying

State ID: BAI4

About this course

Extend your studies and knowledge of surveying

This course will **further develop your skills** by teaching you how to **operate sophisticated surveying equipment** and software for conducting more **complex engineering surveys**, including road design and set out surveys and more complex surveying tasks.

This Diploma has a focus on geodetic surveying including how to conduct geodetic surveys and perform computations. You will also develop industry-specific skills including how to design basic engineering structures and plan spatial data collection. A large selection of electives is available, such as producing maps for land management purposes, producing mine drawings and how to set out stormwater systems.

When you complete this Diploma, you will be **eligible for an Associate membership of the Surveying and Spatial Sciences Institute** (Engineering and Mining Commission)

Gain these skills

- Conduct advanced Global Navigation Satellite Systems (GNSS) data collection
- Setout surveys
- Create engineering drawings
- Perform advanced surveying computations

Is this course right for me?

I have the following attributes:

- Good mathematics skills
- Able to work neatly and accurately
- Methodical with an eye for detail

Details

Semester 1, 2020

East Perth - On Campus



Duration: **2 Semester/s**



When: **Semester 1, 2020**



How: **On campus**

Units

Core

National ID	Unit Title
CPPSIS5031	Plan spatial data collection
CPPSIS5047	Conduct GNSS surveys
CPPSIS5048	Conduct engineering surveys
CPPSIS5053	Perform advanced surveying computations
CPPSIS5054	Perform geodetic surveying computations
CPPSIS5058	Conduct geodetic surveys
CPPSIS5065	Design basic engineering structures

Elective

National ID	Unit Title
AHCLPW404	Produce maps for land management purposes
CPPSIS4022	Store and retrieve spatial data
CPPSIS4025	Collect spatial data using GNSS
CPPSIS4038	Prepare and present GIS data
CPPSIS5032	Capture new spatial data

National ID	Unit Title
CPPSIS5046	Set out stormwater systems
CPPSIS5060	Develop spreadsheets for spatial data
CPPSIS6021	Conduct open pit mine surveys
CPPSIS6022	Produce mine drawings

Entrance requirements

School Leaver	Non-School Leaver	AQF
Completion of WACE General or ATAR (Minimum C Grades) or equivalent	Completion of WACE General or ATAR or equivalent (minimum C Grades)	Certificate III

You will need to have completed CPP40216 Certificate IV in Surveying to meet the entrance requirements.

Further study

North Metropolitan TAFE offers you a range of further study opportunities, see below for a list of related courses.

Job opportunities



[Surveying Technician](#) | [Spatial Science Technician](#) | [GIS Technician](#)

Other job titles may include:

- Senior Technical Officer
- Surveying Assistant
- Mine | Engineering Surveyor

Please note this list should be used as a guide only as job titles and qualification requirements may vary between organisations.

Important information

This course may also be studied off campus provided you are employed in an appropriate work place and can have your work certified by a supervising surveyor.
for this Diploma qualification.

Other costs for consideration:

- Text Books
- Stationery

Typical timetable:

- 3 days per week plus 4 days camp in semester 2

Work Placement:

- Optional

Fees and charges

View our [Indicative Fees list](#)

Local full time students

Course fees are made up of two components, tuition fees and resource fees.

Tuition fees are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

Resource fees are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

International Students

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

Please note, fees are subject to change.