



# 52725WA Diploma of Civil and Structural Engineering

National ID: 52725WA | State ID: 3746

## About this course

### Opportunities for strong career growth

You'll gain the skills you need to **begin or advance** your career in civil engineering with this Diploma course.

This course is aimed at school leavers, graduates of the Certificate III in Engineering - Technical, those wishing to gain employment in the field of Civil and Structural Engineering, and as trainee drafters.

You will be taught **engineering drafting standards AS1100** and **gain exposure to CAD packages** selected from AutoCAD, Revit and 12D.

Students will be introduced to sustainability principles and produce civil construction drawings as part of their assessment.

### Gain these skills

- Work with steel structures
- Work with concrete structures
- Design principles of bulk earth works
- Plan civil works

### Is this course right for me?

I have the following attributes:

- An interest in solving practical and technical problems
- Analytical skills and the ability to interpret information
- Strong communication skills
- An interest in the principles of physics and maths

## Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey.

This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

## Semester 1, 2020

### East Perth - On Campus



Duration: **2 Semester/s**



When: **Semester 1, 2020**



How: **On campus**

## Units

### Core

National ID	Unit Title
35911	Use basic construction in engineering
35912	Use physics in engineering
35913	Use statics in engineering
35914	Use materials in engineering
35915	Produce basic concrete drawings
35916	Produce basic steel drawings
35917	Use basic soils in engineering
35918	Use basic fluids in engineering
35919	Use surveying in engineering
35920	Use strength of materials in engineering
MEM16006A	Organise and communicate information
MEM16008A	Interact with computing technology

National ID	Unit Title
MEM30001A	Use computer aided drafting systems to produce basic engineering drawings
MEM30002A	Produce basic engineering graphics

## Elective

National ID	Unit Title
MEM22002A	Manage self in the engineering environment
MEM22007A	Manage environmental effects of engineering activities
MEM23004A	Apply technical mathematics
MEM30012A	Apply mathematical techniques in a manufacturing engineering or related environment
MEM30004A	Use CAD to create and display 3D models

## 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

## Prerequisites

Certificate III in Engineering or related field

## Further study

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

## Job opportunities



[Civil Engineering Draftsperson](#) | [Civil Engineering Technician](#)

Other job titles may include:

- Civil Engineering Design Draftsperson
- Road Design Draftsperson
- Structural Engineering Drafting Officer

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 will be run at our East Perth campus with some lab work based at NMT's 30 Aberdeen St campus

## Fees and charges

### 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.**