



PID Skill Set

State ID: EAB51

About this course

Instrumentation Technicians work in many sectors including oil and gas, mining, minerals processing and associated industries.

This PID (proportional integral derivative) skill set will equip you with the skills needed for the set up, adjustment and tuning of control loops. While it is highly recommended that you have completed UEE40411 Certificate IV in Electrical (Instrumentation) prior to doing this skill set, it is possible to enrol in both concurrently and NMT will help you manage the order of completion of subjects so that you can achieve the pre-requisite units before commencing this PID program.

Gain these skills

- Understand PID algorithms
- Investigate different techniques used to loop tune in flow level, temperature and cascade tuning

Is this course right for me?

I have the following attributes:

- Good maths skills
- Good analytical skills
- Keen to work with instrumentation



Some of the courses on the list can be done completely online. However some of the courses require a practical component which can't be done online, or some may be a mix of online and face-to-face learning. We'll let you know what's required for your course. For a full list of online courses, please use the filters under the *Refine course results* menu.

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.

Continuous enrolment, 2021

Midland - PID Skill set



When: **Continuous enrolment**



How: **Online**

Units

Core

National ID	Unit Title
UEENEEI106A	Set up and adjust PID control loops
UEENEEI110A	Set up and adjust advanced PID process control loops

Further study

This is a specialist skill set although we do offer associated training in areas such as variable speed drives and robotics.

Job opportunities



[Electronic Instrument Trades Workers](#)

Instrumentation Technician in oil & gas, mining, minerals processing

Important information

As it is expected that most students will already be employed in the industry, the course is delivered in a combination of online theory and lab based skills to minimise time spent away from work. The theory and assignment component can be completed online in your own time while the skill component is to be undertaken in our industry relevant lab at our Midland campus over the course of approximately one week. This can be done during the day or on some week

day evenings.

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.