



MSL50118 Diploma of Laboratory Technology

National ID: MSL50118 | State ID: BDV4

About this course

Gain complex skills in laboratory technologies

This course will provide you with the practical skills and knowledge you need to use **laboratory application software**, plan and conduct **laboratory/field work** and communicate and **provide information to customers**. You will also be able to **specialise in a diverse range of industries** including chemical, medical and pathological, mining, biological, and environmental fields.

Gain these skills

- Analyse, process and interpret data
- Report results
- Apply quality system and continuous improvement processes

Is this course right for me?

I have the following attributes:

- A strong interest in science and chemistry
- Able to adhere to workplace safety standards
- Good communication skills and able to work as part of a team
- Normal colour vision

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, 2021

East Perth - On Campus



Duration: **2 Semester/s**



When: **Semester 1, 2021**



How: **On campus**

Units

Core

National ID	Unit Title
MSL924003	Process and interpret data
MSL924004	Use laboratory application software
MSL925004	Analyse data and report results
MSL934004	Maintain and calibrate instruments and equipment
MSL935007	Monitor the quality of test results and data

Elective

National ID	Unit Title
MSL954003	Relate anatomical and physiological features to laboratory samples
MSL973016	Perform aseptic techniques
MSL973019	Perform microscopic examination
MSL973023	Perform fire pouring techniques
MSL974019	Perform chemical tests and procedures
MSL974021	Perform biological procedures
MSL975029	Perform histological tests

National ID	Unit Title
MSL975034	Perform molecular biology tests and procedures
MSL975035	Perform microbiological tests
MSL975036	Perform haematological tests
MSL975041	Perform fire assay techniques
MSL975046	Perform complex tests to measure chemical properties of materials
MSL975047	Apply complex instrumental techniques
MSL975048	Apply routine spectrometric techniques

Entrance requirements

Please note: To gain entrance into this Diploma qualification you need to have:

[MSL40118 Certificate IV in Laboratory Techniques](#) or equivalent

OR

a Certificate IV or higher level qualification in a relevant science discipline

OR

demonstrated equivalent skills and knowledge in a relevant science discipline.

Further study

This course may provide university entry.

Job opportunities



[Chemistry Technician](#) | [Earth Science Technician](#) | [Life Science Technician](#) | [School Laboratory Technician](#)

Other job titles may include:

- Technical Laboratory Officer | Technical Assistant
- Laboratory Assistant | Laboratory Technician
- Instrument Operator

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

Important information

Other costs for consideration:

- Text Books

- Stationery
- Personal Protective Equipment (PPE)

Typical timetable:

- 3 days per week

Workplace:

- Optional

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](https://www.tafeinternational.wa.edu.au) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

Please note, fees are subject to change.