



# 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

## Overview

### Semester 1, 2019

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## East Perth - On Campus



Duration: **12 Months**



When: **Semester 1, 2019**



How: **Full-Time  
On campus**

## Units

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### Core

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

### Elective

Unit Title	National ID
Relate anatomical and physiological features to laboratory samples	MSL954003
Perform aseptic techniques	MSL973016
Perform microscopic examination	MSL973019
Perform fire pouring techniques	MSL973023
Perform chemical tests and procedures	MSL974019
Perform biological procedures	MSL974021
Perform histological tests	MSL975029
Perform molecular biology tests and procedures	MSL975034
Perform microbiological tests	MSL975035
Perform haematological tests	MSL975036

Unit Title	National ID
Perform fire assay techniques	MSL975041
Perform complex tests to measure chemical properties of materials	MSL975046
Apply complex instrumental techniques	MSL975047
Apply routine spectrometric techniques	MSL975048

## 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

**Please note:** You need to have completed the Certificate IV in Laboratory Techniques or equivalent to gain entrance into this Diploma qualification.

## Study pathway

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

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.**