



# MSL40118 Certificate IV in Laboratory Techniques

National ID: MSL40118 | State ID: BDV3

## About this course

### Further develop your practical laboratory skills

This course will provide you with the skills and knowledge you need to work as a technical assistant, technician or instrument operator. You will learn about quality control, performance of instrumental and non-instrumental tests, standardisation and the use of solutions.

Your Certificate IV in Laboratory Techniques is available via traineeship so you can **earn while you learn** and gain on the job skills that will stay with you for your entire career. Studying at North Metro TAFE will also expose you to our well equipped facilities and highly trained lecturers who'll give you the best shot at a career in science and laboratory operations.

### Gain these skills

- Carry out experiments
- Take measurements with scientific equipment
- Record results and present them for critical analysis
- OHS and safe laboratory practice in the field and in a laboratory

### 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



The following people will be entitled to a concession rate on the half price course fees under *Lower fees, local skills*.

**LOWER FEES  
LOCAL SKILLS**

- All students aged 15-24 years
- Persons and dependents of persons holding:
  - a pensioner concession card;
  - a repatriation health benefits card issued by the Department of Veterans' Affairs; or
  - a Health Care Card
- Persons and dependents of persons in receipt of the Youth Allowance, AUSTUDY or ABSTUDY
- Dependents of persons who are inmates of a custodial institution
- Secondary school-aged persons, not enrolled at school.

If you are not eligible, please see our [Skill sets](#) page.

## 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, 2020

### East Perth - Employer Based



When: **Continuous enrolment**



How: **Employer-based**

## Units

### Core

National ID	Unit Title
MSL924003	Process and interpret data
MSL934004	Maintain and calibrate instruments and equipment
MSL934006	Apply quality system and continuous improvement processes
MSL944002	Maintain laboratory or field workplace safety
MSL953003	Receive and prepare samples for testing

## Elective

National ID	Unit Title
MSL904002	Perform standard calibrations
MSL913004	Plan and conduct laboratory/field work
MSL915003	Provide information to customers
MSL924004	Use laboratory application software
MSL934007	Maintain and control stocks
MSL954004	Obtain representative samples in accordance with sampling plan
MSL954005	Prepare mineral samples for analysis
MSL954005	Prepare mineral samples for analysis
MSL973013	Perform basic tests
MSL973016	Perform aseptic techniques
MSL973019	Perform microscopic examination
MSL974016	Perform physical and mechanical tests
MSL974017	Prepare, standardise and use solutions
MSL974019	Perform chemical tests and procedures
MSL974029	Operate an automated mineral analysis system
MSMENV472	Implement and monitor environmentally sustainable work practices

## Entrance requirements

School Leaver	Non-School Leaver	AQF
C Grades in Year 11 WACE General English, and OLNA or NAPLAN 9 Band 8	C Grades in Year 11 English and Maths or equivalent	Certificate II or Certificate III

## Further study

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

## Job opportunities



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

Other job titles may include:

- Laboratory Assistant | Laboratory Technician
- Technical Assistant
- Instrument Operator
- Sampler and Tester
- Production Personnel
- Field Assistant
- Sample Couriers

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

## 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.**