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 2, 2020

East Perth - On Campus

- **Duration:** 2 Semester/s
- **When:** Semester 2, 2020
- **How:** On campus

Units

Core

<table>
<thead>
<tr>
<th>National ID</th>
<th>Unit Title</th>
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</thead>
<tbody>
<tr>
<td>MSL924003</td>
<td>Process and interpret data</td>
</tr>
<tr>
<td>MSL924004</td>
<td>Use laboratory application software</td>
</tr>
<tr>
<td>MSL925004</td>
<td>Analyse data and report results</td>
</tr>
<tr>
<td>MSL934004</td>
<td>Maintain and calibrate instruments and equipment</td>
</tr>
<tr>
<td>MSL935007</td>
<td>Monitor the quality of test results and data</td>
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Elective

<table>
<thead>
<tr>
<th>National ID</th>
<th>Unit Title</th>
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</thead>
<tbody>
<tr>
<td>MSL954003</td>
<td>Relate anatomical and physiological features to laboratory samples</td>
</tr>
<tr>
<td>MSL973016</td>
<td>Perform aseptic techniques</td>
</tr>
<tr>
<td>MSL973019</td>
<td>Perform microscopic examination</td>
</tr>
<tr>
<td>MSL973023</td>
<td>Perform fire pouring techniques</td>
</tr>
<tr>
<td>MSL974019</td>
<td>Perform chemical tests and procedures</td>
</tr>
<tr>
<td>MSL974021</td>
<td>Perform biological procedures</td>
</tr>
<tr>
<td>MSL975029</td>
<td>Perform histological tests</td>
</tr>
<tr>
<td>National ID</td>
<td>Unit Title</td>
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<tr>
<td>MSL975034</td>
<td>Perform molecular biology tests and procedures</td>
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<tr>
<td>MSL975035</td>
<td>Perform microbiological tests</td>
</tr>
<tr>
<td>MSL975036</td>
<td>Perform haematological tests</td>
</tr>
<tr>
<td>MSL975041</td>
<td>Perform fire assay techniques</td>
</tr>
<tr>
<td>MSL975046</td>
<td>Perform complex tests to measure chemical properties of materials</td>
</tr>
<tr>
<td>MSL975047</td>
<td>Apply complex instrumental techniques</td>
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<tr>
<td>MSL975048</td>
<td>Apply routine spectrometric techniques</td>
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**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.*