

Pre-enrolment Information



MSL50118 Diploma of Laboratory Technology Geraldton

Release 1

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MSL50118 Diploma of Laboratory Technology

Course Information

Course Title MSL50118 Diploma of Laboratory Technology (Release 1)

This qualification covers the skills and knowledge required to apply a range of laboratory technologies to conduct scientific-technical tests and sampling in most industry sectors.

Employment outcomes targeted by this qualification include technical officers, laboratory technicians, analysts and similar personnel.

Technical officers conduct a wide range of sampling and testing that requires the application of broad scientific-technical knowledge and skills, with substantial depth in some areas. Although technical officers generally work in a laboratory, they often work closely with personnel in other teams within a section of the workplace.

They may liaise with suppliers to troubleshoot product non-conformance at the direction of laboratory supervisors or managers. They gather information on non-conformance and events that may lead to the modification of workplace procedures. They may also demonstrate methods to others and train them to collect samples and conduct basic tests reliably.

The work of technical officers involves frequent peak periods and interruptions. They:

- work according to established procedures in a structured environment
- collect and prepare samples and communicate sample requirements to other personnel
- conduct a wide range of routine and specialised tests where atypical samples may be involved and the instrumentation used has a wide range of operating variables
- contribute to the modification of standard operating procedures (SOPs) and enterprise methods when necessary
- define and solve problems where alternatives are not obvious and where investigations and trials may be required and the implications of various solutions considered
- work under the direction and supervision of senior technical staff, laboratory or quality managers, or scientific/medical professionals
- generally work as part of a team and may have a role in the planning of schedules and monitoring of resources in their work area.

Packaging Information

Total number of units = 15

- 5 core units
- 10 elective units, consisting of:

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	<ul style="list-style-type: none"> at least 7 units from any of the elective lists below, including at least 5 units coded at 5000 or above up to 3 units from any endorsed Training Package or accredited course – these units must be relevant to the work outcome.
Duration	12 months (2 semesters), Face to face
Location	Geraldton

Stage	Unit of competency (National code and title)	Core or Elective	Pre-requisite	Amount of training (For the standard learner, suggested hours may change based on needs of individual learners)
1	MSL915003 Provide information to customers	E (level 5)		<i>12 hours of class activities</i>
1	MSL924003 Process and interpret data	C		<i>42 hours of class activities</i>
1	MSL934004 Maintain and calibrate instruments and equipment	C		<i>40 hours of class activities 60 hours of practical activities</i>
1	MSL915004 Schedule laboratory work for a small team	E (level 5)		40 hours of class activity 15 hours of practical activity

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1	MSL974022 Undertake environmental field-based monitoring	E (imported)		<i>15 hours of practical activities 15 hours of class activities</i>
1	MSL973016 Perform aseptic techniques	E (imported)		6 hours class activities 21 hours of practical class activities
1	MSL973019 Perform microscopic examination	E (imported)		4 hours class activities 14 hours of practical class activities
1	MSL974019 Perform chemical tests and procedures	E		<i>20 hours of class activities 50 hours of practical activities</i>
2	MSL924004 Use laboratory application software	C		<i>3 hours of class activities 30 hours of computer based activities</i>
2	MSL925004 Analyse data and report results	C	MSL924003 process and interpret data	<i>33 hours of class activities 6 hours of computer based activities 39 hours CAVVS support</i>
2	MSL974021 Perform biological procedures	E		<i>30 hours of class activities 80 hours of practical activities</i>

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2	MSL935007 Monitor the quality of test results and data	C	MSL924003 Process and interpret data	60 hours of class and computer based activities 30 hours of project work
2	MSL975035 Perform microbiological tests	E (level 5)	MSL973019 Perform microscopic examination MSL973016 Perform aseptic techniques	<i>90 hours of practical activities 20 hours of class activities</i>
2	MSL975048 Apply routine spectrometric techniques	E (level 5)	MSL974019 Perform chemical tests and procedures	<i>50 hours class activities 70 hours practical activities</i>
2	MSL975042 Design and supervise complex environmental field surveys	E (level 5)	MSL974022 Undertake environmental field-based monitoring	<i>20 hours class activities 100 hours research and project work</i>

Entry Requirements

Search for your course on our website at www.centralregionaltafe.wa.edu.au and you can find detail on the entry requirements for this course.

Career Pathways

Your course provides you with skills and knowledge to enter the workforce in varied job roles as well as further education. Details can be found on our website at www.centralregionaltafe.wa.edu.au

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Course Costs

You will find detailed information about your course costs and how the costs are compiled on the Central Regional TAFE website here :

<http://www.centralregionaltafe.wa.edu.au/futurestudents/feespaymentoptions>

Alternatively, check the drop down box for FEES on your course page on the website which will also have details about the course fees.

Textbooks and Learning Materials

Our physical and online library has a wide range of written and electronic resources useful to your course. You can find our online library on the Central Regional TAFE website at :

<http://www.centralregionaltafe.wa.edu.au/currentstudents/librarybookshop>

For on campus students your learning materials for each unit will be provided to you as you progress through the semester and the price is incorporated in your enrolment fees. If you are enrolled off campus other information about your learning materials and purchases will be provided with your enrolment.

Other Course Requirements

Some courses may require you to provide additional resources such as Personal Protective Equipment (PPE) or uniforms. A list is provided below.

Uniform – Applied and environmental sciences polo shirt available from totally workwear \$41.25

- Applied and environmental sciences hi-vis polo available from totally workwear \$28.45
- Steel cap lace up boots
- Long pants
- Hat
- Sunglasses

Stationary – calculator

- Pens
- Ring binders
- Display folders
- Loose leaf A4 paper, or A4 exercise books
- Ruler
- Sheet protectors

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STUDY OPTIONS

Central Regional TAFE aims to provide varied options for study to suit your needs. Not all courses are available at all campuses in the same way.

The following options are available in this course at this campus. For additional information about flexible study options at all of our campuses please check the courses pages on the Central Regional TAFE website.

The MSL50116 Diploma of laboratory technology is offered as Face to face in Geraldton; work based and flexible available at all locations:

- Duration of course: Face to Face is 12 months, full time
- Students are expected to allow a minimum of 5 hours home study time per week.

Information about flexible study options are available from the lecturers, contact through the Central Regional TAFE website.

YOUR TIMETABLE

Geraldton Campus students can locate their Timetables from the myPortal page on the Central Regional TAFE website. You can also subscribe to your timetable so that you can view in your own Calendar. Details on how to subscribe to your Calendar can be found on the myTimetable link in the Student Portal.