Victorian Purchasing Guide

for

MSL Laboratory Operations Training Package

Release 3.1

May 2021

Victorian Purchasing Guide — Release History

Note: RTOs should refer to the [National Register](#) for the detail of changes made in each Release.

Training Package Release	Date VPG Approved	Comments
MSL Laboratory Operations Training Package Release 3.1	28 May 2021	The MSL Laboratory Operations Training Package Release 3.1 reflects the deletion of training products with low or no enrolments, as instructed by the Commonwealth Skills Minister and authorised by the AISC Communiques issued on 2 December 2020 and 23 February 2021. The following (8) units have been deleted: • MSL905006 Create or modify automated calibration procedures • MSL955002 Supervise a robotic sample preparation system • MSL974024 Undertake field-based, remote-sensing monitoring • MSL974027 Monitor performance of structures • MSL975043 Prepare animal and plant material for display • MSL975053 Perform complex laboratory testing of forensic samples • MSL975054 Perform physical examination of forensic samples • MSL976004 Prepare plans and quality assurance procedures for environmental field activities For detailed mapping of qualifications and units between MSL Release 3.1 and MSL Release 3.0 please refer to the MSL [Companion Volume](#) Implementation Guide.
MSL Laboratory Operations Training Package Release 3.0	15 July 2020	This amended Victorian Purchasing Guide V3.1 for MSL Laboratory Operations Training Package Release 3.0 reflects an increase in the nominal hours from 40 to 80 for the following unit: • MSL974030 Process body fluid specimens using a point of care testing device.
MSL Laboratory Operations Training Package Release 3.0	1 June 2020	Release 3.0 of the MSL Laboratory Operations Training Package incorporates the addition of the following new elective unit of competency to the MSL40118 Certificate IV in Laboratory Techniques and MSL50118 Diploma of Laboratory Technology, with both remaining equivalent: • MSL974030 Process body fluid specimens using a point of care testing device.
MSL Laboratory Operations Training Package Release No 2.0	7 September 2018	Release 2.0 of the MSL Laboratory Operations Training Package incorporates changes to the MSL40118 Certificate IV in Laboratory Techniques and MSL50118 Diploma of Laboratory Technology; in particular, new entry requirements to the Diploma. The codes for the remaining three qualifications in this release have been updated but the qualifications remain equivalent. There are two new units, a new merged unit and while the majority of existing units are equivalent, they have been updated and recoded: The new and merged units are: • MSL954003 Relate anatomical and physiological features to laboratory samples • MSL975028 Apply advanced embedding and microtomy skills • MSL974016 Perform physical and mechanical tests (Formerly MSL974005 and MSL974010)

Training Package Release	Date VPG Approved	Comments
MSL Laboratory Operations Training Package Release No 1.0	24 April 2016	The MSL Laboratory Operations Training Package reflects the transitioning of the MSL09 Laboratory Operations Training Package to the new Standards for Training Packages. This Victorian Purchasing Guide also reflects the changes made from Maximum Nominal Hours to Maximum and Minimum Payable Hours.

MSL Laboratory Operations
Training Package Release 3.1
Victorian Purchasing Guide

CONTENTS

INTRODUCTION

What is a Victorian Purchasing Guide?

The Victorian Purchasing Guide provides information for use by Registered Training Organisations (RTOs) in the provision of Victorian government subsidised training.

Specifically the Victorian Purchasing Guide provides the following information related to the delivery of nationally endorsed Training Packages in Victoria:

- The maximum and minimum payable hours available for each qualification.

- Nominal hours for each unit of competency within the Training Package.

Registration

RTOs must be registered by either the Victorian Registration and Qualifications Authority (VRQA) or the Australian Skills Qualification Authority (ASQA) regulatory body to be eligible to issue qualifications and Statements of Attainment under the Australian Qualifications Framework (AQF).

The VRQA is the regulatory authority in Victoria responsible for the registration of Vocational Education and Training (VET) providers who offer courses to domestic students in Victoria only.

ASQA is the regulatory authority responsible for the registration of VET providers who offer training in Victoria, nationally and / or internationally.

Transition

The relationship between new units and any superseded or replaced units from the previous versions of **MSL Laboratory Operations Training Package Release 3.1** is provided in the Training Package Companion Volume Implementation Guide. (See Companion Volumes for more information).

Information regarding transition arrangements can be obtained from the state or national VET Regulatory Authority (see Contacts and Links section).

RTOs must ensure that all training and assessment leading to issuance of qualifications or Statements of Attainment from the **MSL Laboratory Operations Training Package Release 3.1** is conducted against the Training Package units of competency and complies with the assessment requirements.

QUALIFICATIONS

Code	Title	Minimum Payable Hours	Maximum Payable Hours
MSL20118	Certificate II in Sampling and Measurement	314	330
MSL30118	Certificate III in Laboratory Skills	684	720
MSL40118	Certificate IV in Laboratory Techniques	1264	1330
MSL50118	Diploma of Laboratory Technology	1463	1540
MSL60118	Advanced Diploma of Laboratory Operations	627	660

UNITS OF COMPETENCY AND NOMINAL HOURS

Unit Code	Unit Title	Nominal Hours
MSL904002	Perform standard calibrations	50
MSL905004	Perform non-standard calibrations	60
MSL905005	Create or modify calibration procedures	40
MSL912001	Work within a laboratory or field workplace (induction)	40
MSL913003	Communicate with other people	40
MSL913004	Plan and conduct laboratory/field work	40
MSL914002	Prepare practical science classes and demonstrations	60
MSL915003	Provide information to customers	30
MSL915004	Schedule laboratory work for a small team	50
MSL916006	Develop and maintain laboratory documentation	30
MSL916007	Manage and develop teams	40
MSL916008	Supervise laboratory operations in work or functional area	60
MSL916009	Maintain registration and statutory or legal compliance in work or functional area	50
MSL916010	Manage complex projects	50
MSL922001	Record and present data	40
MSL924003	Process and interpret data	70
MSL924004	Use laboratory application software	60
MSL925003	Determine measurements of uncertainty	60
MSL925004	Analyse data and report results	80
MSL933005	Maintain the laboratory/field workplace fit for purpose	30

Unit Code	Unit Title	Nominal Hours
MSL933006	Contribute to the achievement of quality objectives	30
MSL933007	Apply critical control point requirements	40
MSL933008	Perform calibration checks on equipment and assist with its maintenance	40
MSL934004	Maintain and calibrate instruments and equipment	60
MSL934005	Contribute to the ongoing development of HACCP plans	60
MSL934006	Apply quality system and continuous improvement processes	80
MSL934007	Maintain and control stocks	50
MSL935005	Authorise the issue of test results	60
MSL935006	Assist in the maintenance of reference materials	30
MSL935007	Monitor the quality of test results and data	40
MSL936003	Maintain quality system and continuous improvement processes within work or functional area	50
MSL936004	Conduct an internal audit of the quality system	40
MSL943003	Work safely with instruments that emit ionising radiation	60
MSL943004	Participate in laboratory or field workplace safety	40
MSL944002	Maintain laboratory or field workplace safety	50
MSL946002	Implement and monitor WHS and environmental management systems	60
MSL952001	Collect routine site samples	30
MSL952002	Handle and transport samples or equipment	30
MSL953003	Receive and prepare samples for testing	30
MSL953004	Operate a robotic sample preparation system	60
MSL954003	Relate anatomical and physiological features to laboratory samples	100

Unit Code	Unit Title	Nominal Hours
MSL954004	Obtain representative samples in accordance with sampling plan	40
MSL954005	Prepare mineral samples for analysis	60
MSL972001	Conduct routine site measurements	30
MSL973013	Perform basic tests	60
MSL973014	Prepare working solutions	50
MSL973015	Prepare culture media	30
MSL973016	Perform aseptic techniques	40
MSL973017	Assist with fieldwork	40
MSL973018	Prepare trial batches for evaluation	40
MSL973019	Perform microscopic examination	40
MSL973020	Perform histological procedures	40
MSL973021	Conduct field-based acceptance tests for construction materials	60
MSL973022	Conduct laboratory-based acceptance tests for construction materials	50
MSL973023	Perform fire pouring techniques	50
MSL973024	Perform site investigation activities	40
MSL974016	Perform physical and mechanical tests	140
MSL974017	Prepare, standardise and use solutions	100
MSL974018	Conduct geotechnical site investigations	60
MSL974019	Perform chemical tests and procedures	100
MSL974020	Perform food tests	100
MSL974021	Perform biological procedures	130
MSL974022	Undertake environmental field-based monitoring	80

Unit Code	Unit Title	Nominal Hours
MSL974023	Capture and manage scientific images	40
MSL974025	Prepare tissue and cell cultures	50
MSL974026	Perform tests to determine the properties of construction materials	90
MSL974028	Classify soils	80
MSL974029	Operate an automated mineral analysis system	60
MSL974030	Process body fluid specimens using a point of care testing device	80
MSL975028	Apply advanced embedding and microtomy skills	150
MSL975029	Perform histological tests	200
MSL975030	Perform immunohaematological tests	80
MSL975031	Supervise sampling, inspections and testing at construction sites	80
MSL975032	Provide input to production trials	40
MSL975033	Perform tissue and cell culture techniques	100
MSL975034	Perform molecular biology tests and procedures	150
MSL975035	Perform microbiological tests	140
MSL975036	Perform haematological tests	130
MSL975037	Perform chemical pathology tests	130
MSL975038	Conduct sensory analysis	40
MSL975039	Apply electrophoretic techniques	100
MSL975040	Apply routine chromatographic techniques	120
MSL975041	Perform fire assay techniques	60
MSL975042	Design and supervise complex environmental field surveys	40
MSL975044	Perform complex tests to measure engineering properties of materials	40

Unit Code	Unit Title	Nominal Hours
MSL975045	Perform laboratory-based ecological techniques	60
MSL975046	Perform complex tests to measure chemical properties of materials	50
MSL975047	Apply complex instrumental techniques	50
MSL975048	Apply routine spectrometric techniques	150
MSL975049	Apply routine electrometric techniques	40
MSL975050	Perform food analyses	60
MSL975051	Supervise geotechnical site investigations	80
MSL975052	Locate, record and collect forensic samples	90
MSL975055	Classify building sites	80
MSL976005	Evaluate and select appropriate test methods and/or procedures	40
MSL977005	Validate test methods	40
MSL977006	Contribute to the development of products and applications	50
MSL977007	Troubleshoot equipment and/or production processes	50
MSL977008	Develop or adapt analyses and procedures	50

CONTACTS AND LINKS

Curriculum Maintenance Manager (CMM)		
General Manufacturing	The CMM Service is provided on behalf of Higher Education and Skills. CMM Service Executive Officers can assist with questions on payable and nominal hours.	Name: Paul Saunders Address: Chisholm Institute, PO Box 684, Dandenong, Victoria, 3175. Phone: 03 9238 8448 Email: paul.saunders@chisholm.edu.au
Service Skills Organisation (SSO)		
Innovation and Business Skills Australia (IBSA)	This SSO is responsible for **MSL Laboratory Operations Training Package** and can be contacted for further information.	Phone: 03 9815 7099 Email: manufacturing@ibsa.org.au See IBSA.org.au for further information.
National Register for VET in Australia		
Training.gov.au (TGA)	TGA is the Australian government's official National Register of information on Training Packages, qualifications, courses, units of competency and RTOs.	See the National Register for more information.
Australian Government		
Department of Education, Skills and Employment	The Commonwealth Department is responsible for national policies and programmes that help Australians access quality vocational education and training.	See DESE.gov.au for more information.
State Government		
Department of Education and Training (DET)	DET is the State Training Authority responsible for supporting implementation of Vocational Education and Training (VET) in Victoria.	(03) 9637 2000 See Education.vic.gov.au for more information.
National VET Regulatory Authority		
Australian Skills Quality Authority (ASQA)	ASQA is the national regulator for Australia's VET sector.	Info line: 1300 701 801 See ASQA.gov.au for more information.
Victorian State VET Regulatory Authority		
Victorian Registration and Qualifications Authority (VRQA)	The VRQA is a statutory authority responsible for the registration and regulation of Victorian RTOs and for the regulation of apprenticeships and traineeships in Victoria.	(03) 9637 2806 See VRQA.vic.gov.au for more information.

Industry Regulatory Bodies		
WorkSafe Victoria	The industry Regulatory body can provide advice on licensing, legislative or regulatory requirements which may impact on the delivery of training or the issuance of qualifications in this Training Package. WorkSafe needs to provide written verification before High Risk Work Units can be added to an RTO's scope of registration.	Address: 222 Exhibition Street, Melbourne, 3000. Phone: (03) 9641 1444 or 1800 136 089 (toll free) Email: info@worksafe.vic.gov.au. See Worksafe.vic.gov.au for further information.

GLOSSARY

Code	Nationally endorsed Training Package qualification code.
Title	Nationally endorsed Training Package qualification title.
Unit Code	Nationally endorsed Training Package unit code.
Unit Title	Nationally endorsed Training Package unit title.
Maximum Payable Hours	The maximum number of hours the Victorian Government will subsidise under Skills First funding for the achievement of the minimum realistic vocational outcome of the qualification, as determined by the qualification packaging rules. The Maximum Payable Hours do not cover every possible combination of core and elective units available for a specific qualification. Minimum payable hours reflect a calculated minimum number of hours that could deliver a minimum realistic vocational outcome, based on efficiencies of contextualisation and integration.
Scope of Registration	Scope of registration specifies the AQF qualifications and/or units of competency the training organisation is registered to issue and the industry training and/or assessment services it is registered to provide.
Nominal Hours	Nominal hours reflect the anticipated time taken to deliver and assess the outcomes of a unit of competency excluding unsupervised delivery or the time taken for repeated practical application of skills. Nominal hours are determined by the Victorian State Training Authority (DET) and are primarily developed for funding purposes in Victoria.