

PML04 Competency_units

Competency Unit code	Competency Unit title	Workbook date	Cert II in Sampling and Measurement	Cert III In Laboratory Skills	Cert IV in Laboratory Techniques	Diploma of Laboratory Technology	Advanced Diploma of Laboratory Operations
			PML20104	PML30104	PML40104	PML50104	PML60104
PMLDATA200A	Record and present data		Core	Core			
PMLORG200A	Work within a laboratory/field workplace (induction)		Core	Elective			
PMLSAMP200A	Collect routine site samples		Elective1	Elective			
PMLSAMP201A	Handle and transport samples or equipment		Elective	Elective			
PMLTEST200A	Conduct routine site measurements		Elective1	Elective			
PMLCOM300B	Communicate with other people		Elective	Core	Core	Core	
PMLMAIN300B	Maintain the laboratory fit for purpose		Elective	Elective	Elective	Elective	
PMLOHS301B	Work safely with instruments that emit ionising radiation		Elective	Elective	Elective	Elective	
PMLOHS302A	Participate in laboratory/field workplace safety		Core	Core			
PMLORG301A	Plan and conduct laboratory/field work		Elective	Core	Core	Core	
PMLQUAL300B	Contribute to the achievement of quality objectives		Elective	Core	Elective	Elective	
PMLQUAL301B	Apply critical control point requirements		Elective	Elective	Elective	Elective	
PMLSAMP302A	Receive and prepare samples for testing		Elective	Elective	Elective	Elective	
PMLTEST300B	Perform basic tests		Elective	Elective1	Elective	Elective	
PMLTEST303B	Prepare working solutions		Elective	Elective1	Elective	Elective	
PMLTEST304B	Prepare culture media		Elective	Elective1	Elective	Elective	
PMLTEST305B	Perform aseptic techniques		Elective	Elective1	Elective	Elective	
PMLTEST306B	Assist with fieldwork		Elective	Elective1	Elective	Elective	
PMLTEST307B	Prepare trial batches for evaluation		Elective	Elective1	Elective	Elective	
PMLTEST308A	Perform microscopic examination		Elective	Elective1	Elective	Elective	
PMLTEST310A	Perform histological procedures		Elective	Elective1	Elective	Elective	
PMLCAL400A	Perform standard calibrations			Elective	Elective1	Elective	
PMLDATA400A	Process and interpret data			Elective	Core	Core	
PMLMAIN400A	Maintain and control stocks			Elective	Elective	Elective	
PMLOHS400A	Maintain laboratory/field workplace safety			Elective	Core	Core	
PMLORG400A	Prepare practical science classes and demonstrations			Elective	Elective	Elective	
PMLQUAL400B	Contribute to the ongoing development of HACCP plans			Elective	Elective	Elective	
PMLQUAL401B	Apply quality system and continuous improvement processes			Elective	Core	Core	
PMLSAMP400B	Obtain representative samples in accordance with sampling plan			Elective	Elective1	Elective	
PMLSAMP401A	Prepare mineral samples for analysis			Elective	Elective1	Elective	
PMLTEST402B	Prepare, standardise and use solutions			Elective	Elective1	Elective	
PMLTEST403B	Assist with geotechnical site investigations			Elective	Elective1	Elective	
PMLTEST404A	Perform chemical tests and procedures			Elective	Elective1	Elective	
PMLTEST405A	Perform food tests			Elective	Elective1	Elective	
PMLTEST406A	Perform physical tests			Elective	Elective1	Elective	
PMLTEST407A	Perform biological procedures			Elective	Elective1	Elective	
PMLTEST408A	Undertake environmental field-based monitoring			Elective	Elective1	Elective	
PMLTEST409A	Capture and manage scientific images			Elective	Elective1	Elective	
PMLTEST410A	Undertake environmental field-based, remote-sensing monitoring			Elective	Elective1	Elective	
PMLTEST411A	Perform mechanical tests			Elective	Elective1	Elective	
PMLTEST412A	Prepare tissue and cell cultures			Elective	Elective1	Elective	
PMLCAL500A	Perform non-standard calibrations				Elective	Elective1	Elective
PMLCAL501A	Create or modify calibration procedures				Elective	Elective1	Elective
PMLCOM500B	Provide information to customers				Elective	Core	Elective
PMLDATA500B	Analyse data and report results				Elective	Core	Elective
PMLDATA501B	Use laboratory application software				Elective	Core	Elective

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PMLMAIN501B	Assist in the maintenance of reference materials				Elective	Elective	Elective
PMLMAIN502A	Maintain instruments and equipment				Elective	Elective	Elective
PMLORG500B	Schedule laboratory work for a small team				Elective	Elective	
PMLQUAL500A	Monitor the quality of test results and data				Elective	Elective	Elective
PMLTEST511B	Supervise earthworks inspection, sampling and testing operations				Elective	Elective1	Elective
PMLTEST513A	Apply routine chromatographic techniques				Elective	Elective1	Elective
PMLTEST514A	Perform fire assay techniques				Elective	Elective1	Elective
PMLTEST515A	Design and supervise complex environmental field surveys				Elective	Elective1	Elective
PMLTEST516A	Provide input to production trials				Elective	Elective1	Elective
PMLTEST520A	Perform complex tests to measure engineering properties of materials				Elective	Elective1	Elective
PMLTEST521A	Perform laboratory based ecological techniques				Elective	Elective1	Elective
PMLTEST522A	Perform complex tests to measure chemical properties of materials				Elective	Elective1	Elective
PMLTEST523A	Apply complex instrumental techniques				Elective	Elective1	Elective
PMLTEST524A	Apply routine spectrometric techniques				Elective	Elective1	Elective
PMLCOM600B	Develop and maintain laboratory documentation					Elective	Core
PMLOHS601A	Implement and monitor OHS and environmental management systems					Elective	Core
PMLORG600B	Supervise laboratory operations in work/functional area					Elective	Core
PMLORG601B	Maintain registration and statutory or legal compliance in work/functional area					Elective	Core
PMLORG602B	Manage complex projects					Elective	Elective
PMLQUAL600B	Maintain quality system and continuous improvement processes within work/functional area					Elective	Core
PMLQUAL601B	Conduct an internal audit of the quality system					Elective	Elective
PMLTEAM600B	Manage and develop teams					Elective	Core
PMLTEST601B	Classify building sites					Elective	Elective
PMLTEST602A	Prepare plans and quality assurance procedures for environmental field activities					Elective	Elective
PMLTEST603A	Evaluate and select appropriate test methods and/or procedures					Elective	Elective
PMLTEST700B	Contribute to the development of products and applications					Elective	Elective
PMLTEST701B	Troubleshoot equipment and production processes					Elective	Elective
PMLTEST702B	Contribute to validation of test methods					Elective	Elective
PMLTEST703B	Develop or adapt analyses and procedures					Elective	Elective
PMLTEST704B	Integrate data acquisition and interfacing systems					Elective	Elective

Number of required Core units to complete Qualification		3	5	5	8	6
Number of required Electives to complete Qualification		4	7	11	12	6
Elective Selection Matrix						
		PML20104	PML30104	PML40104	PML50104	PML60104
PML200 series	At least 1 Elective1 unit		Max 2 units			
PML300 series	Max 2 units		Min 4 units; at least 1 Elective1 unit	Max 4 units	Max 3 units	
PML400 series			Max 2 units	Min 5 units; at least 1 Elective1 unit	Max 5 units	
PML500 series				Max 3 units	Min 5 units; at least 1 Elective1 unit	Balance of remaining units
PML600 series					Max 2 units	Between 3 & 5 units
PML700 series						Balance of remaining units
Other	Max 2 units	Max 2 units	Max 2 units	Max of 3 shown above; Total Max of 3 units	Max of 4 shown above; Total Max of 4 units	Balance of remaining units; Max of 2 shown above

**Note: Some units may have prerequisite units. Check individual units for confirmation.