



the
LABORATORY
PATHOLOGY
MANUFACTURING
LEADERSHIP
Training Experts





INTRODUCTION

ABC Training and Consulting (RTO#5800) is a premier registered training organisation providing comprehensive services to students and businesses nationwide. Committed to excellence, we offer a wide range of nationally recognised laboratory, pathology and manufacturing qualifications to elevate career prospects and empower individuals.

At our core, we aspire to be the leading industry partner, attuned to diverse sector needs. By listening attentively to industry demands, we ensure our programs remain relevant and responsive. Through dedicated excellence, we deliver measurable outcomes, equipping learners with skills for success.

Our training blends theory with practical experience, ensuring graduates are both knowledgeable and work-ready. With a holistic approach, we prepare students for professional excellence. ABC Training and Consulting is more than a provider; we're a trusted partner dedicated to empowering individuals and businesses. With unwavering commitment, we shape the future of education in Australia.

QUALIFICATIONS

MSL20122	Certificate II in Sampling and Measurement
MSL30122	Certificate III in Laboratory Skills
MSL40122	Certificate IV in Laboratory Techniques
MSL50122	Diploma of Laboratory Technology
MSL60122	Advanced Diploma of Laboratory Management
HLT37215	Certificate III in Pathology Collection
HLT37415	Certificate III in Pathology Assistance
MSM30318	Certificate III in Manufactured Mineral Products
MSM30116	Certificate III in Process Manufacturing
MSM40116	Certificate IV in Process Manufacturing
BSB50420	Diploma of Leadership and Management

Pathology Skillsets

MSLSS00003	Histotechnology
MSLSS00004	Point of Care Testing Using Capillary Blood Specimens
MSLSS00005	Anatomical Pathology Simple and Non-Complex Surgical Cut
MSLSS00006	Laboratory Quality
MSLSS00007	Haematology and Transfusion
MSLSS00008	Microbiology
MSLSS00009	Chemical Pathology
MSLSS00010	Pathology Multi-Discipline
MSLSS00011	Molecular Biology

Standalone Units of Competencies

HLTAID011	Provide First Aid
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Get In Contact

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MSL20122

Certificate II in Sampling and Measurement

DURATION

Approximately 12 months

COURSE DETAILS

This qualification provides the essential skills and knowledge needed to carry out a variety of sampling and measurement activities integral to laboratory, production, or field operations. These skills are applicable across several key industry sectors, including construction, manufacturing, resources, and environmental management.

Samplers and testers play a crucial role in their respective industries by performing targeted sampling and testing duties. Although their tasks are often limited in scope, they require a specific set of skills and operational knowledge. These professionals apply their expertise to ensure accurate and reliable results, adhering to industry standards and guidelines. Unlike traditional laboratory technicians, samplers and testers typically conduct their work outside of a laboratory setting, in the field, or within production environments. This hands-on approach allows them to gather and analyse samples directly from the source, contributing to the quality control and assurance processes within their industries.

They:

- follow set procedures to sample raw materials and products.
- may package, label, store and transport samples.
- use simple equipment (hydrometers, thermometers and pH meters) to make measurements and perform basic tests that take a short time and involve a narrow range of variables and easily recognised control limits.
- may make visual inspection of products and packaging.

EMPLOYMENT OUTCOMES



Sample Preparer



Laboratory Assistant



Pathology Courier



Plant Operator





MSL30122

Certificate III in Laboratory Skills

DURATION

Approximately 18 months

COURSE DETAILS

This certification covers essential skills and knowledge for basic laboratory operations across all industry sectors. It is the foundational requirement for those entering laboratory work. Laboratory technicians perform straightforward tasks using established procedures, applying technical skills and basic scientific knowledge. They primarily handle predictable tasks within a specific scientific discipline. Tasks require attention to detail, accuracy, and precision, using manual or semi-automated techniques. Key responsibilities include:

- Operating test equipment and instruments, making limited adjustments to controls.
- Processing and recording data, recognising trends and identifying out-of-control conditions.
- Resolving predictable problems using clear information or known solutions, with limited and apparent alternatives.
- Working under close and regular supervision, while having autonomy for specific tasks and taking responsibility for their outputs.
- Making decisions within defined limits of responsibility and collaborating effectively.

EMPLOYMENT OUTCOMES



Calibration
Lab Assistant



Field Assistant



Laboratory
Assistant



School Lab
Junior Assistant



Soil
Scientist



Pathology
Technical Assistant



Food Testing
Lab Assistant



Beverage Testing
Lab Assistant



Environmental
Assistant



Field Monitoring
Assistant



Mineral Assay
Lab Assistant

MSL40122

Certificate IV in Laboratory Techniques

DURATION

Approximately 18 months

COURSE DETAILS

This qualification reflects the role of workers who perform a range of laboratory techniques, including manual, semi-automated and fully automated, to collect and prepare samples in a laboratory. They conduct a wide range of basic, and limited range of specialist tests across a variety of industry sectors. Workers may be required to assist other personnel to solve technical problems and to adjust formulations and production mixes. In addition to their primary duties, these workers will also undertake:

- Integral in troubleshooting technical issues.
- Ensure the reliability of sample collection and conduct fundamental tests.
- Demonstrate a commitment to maintaining the highest standards in laboratory practices.
- Take ownership of their outputs, showcasing a high degree of autonomy within the framework of established procedures.
- Undergo frequent progress and quality checks to ensure precision and compliance with industry standards.
- The qualifications and expertise of these laboratory professionals make them indispensable contributors to the seamless functioning of laboratory operations across various sectors.

EMPLOYMENT OUTCOMES



Calibration
Lab Technician



CMT Field
Technician



CMT Laboratory
Technician



School Lab
Technician



Pathology
Technical Assistant



Food Testing
Lab Technician



Beverage Testing
Lab Technician



Environmental
Technician



Field Monitoring
Technician



Mineral Assay
Lab Technician





MSL50122

Diploma of Laboratory Technology

DURATION

Approximately 24 months

COURSE DETAILS

This qualification reflects the role of workers who apply a broad range of laboratory technologies to conduct scientific-technical tests across various industry sectors. These professionals utilise specialist technical knowledge to perform both routine and complex tests, often dealing with atypical samples and sophisticated instrumentation with diverse operating variables. In addition, workers may also:

- Conduct a wide range of tests, including routine analyses and complex, specialised procedures, often involving unusual or difficult samples.
- Operate advanced laboratory instruments, requiring mastery for accurate and reliable results.
- Convey sample requirements to personnel and coordinate with suppliers to resolve product non-conformance issues, ensuring all samples meet necessary standards.
- Demonstrate testing methods and train team members in sample collection and basic testing procedures to maintain quality and consistency.
- Contribute to developing and modifying standard operating procedures (SOPs) and enterprise methods, enhancing process efficiency.
- Plan work schedules and monitor resources to ensure smooth laboratory operations.
- Contribute to technological and industrial advancements.

EMPLOYMENT OUTCOMES



Calibration Senior
Lab Technician



CMT Field
Senior Technician



CMT Laboratory
Senior Technician



School Laboratory
Senior Technician



Pathology
Technical Officer



Food Testing
Senior Technician



Beverage Testing
Senior Technician



Environmental
Senior Technician



Field Monitoring
Senior Technician



Mineral Assay
Senior Technician

MSL60122

Advanced Diploma of Laboratory Management

DURATION

Approximately 18 months

COURSE DETAILS

The MSL60122 Advanced Diploma of Laboratory Management equips workers with the skills to apply a broad range of laboratory technologies in conducting scientific-technical tests across various industries, including healthcare, environmental science, pharmaceuticals, food production, and manufacturing. These professionals use specialist technical knowledge to perform both routine and complex tests, often dealing with atypical samples and sophisticated instrumentation with diverse operating variables. Additionally, they demonstrate testing methods and train team members in sample collection and basic testing procedures to maintain quality and consistency. Skills acquired through this qualification include:

- Planning, task allocation, and coordination of laboratory activities.
- Implementing and overseeing quality control procedures.
- Accurate documentation of procedures and effective reporting.
- Advanced laboratory techniques and technology selection.
- Workflow optimisation and productivity enhancement.
- Adherence to safety standards and regulations.
- Providing technical training and guidance.
- Effective communication with various stakeholders.
- Efficient management of personnel, equipment, and materials.
- Driving innovation within the laboratory setting.
- Managing laboratory projects, including budgeting and resource allocation.

EMPLOYMENT OUTCOMES



Laboratory Supervisor



Senior Technical Officer





HLT37215

Certificate III in Pathology Collection

DURATION

Approximately 12 months

COURSE DETAILS

This qualification reflects the role of pathology collectors. Workers in this role follow known routines and procedures, taking responsibility for their own work under general supervision. They combine communication, customer service, and technical skills, and use discretion and judgment to adapt and transfer their skills to different situations. By acquiring the following skills, pathology collectors are well-prepared to perform their duties effectively, ensuring accurate sample collection and contributing to the overall quality of healthcare services.

- Perform blood collection, swab collection, and other sample collection techniques with precision and care.
- Communicate effectively with patients to explain procedures and ensure their comfort and cooperation.
- Utilise various pathology collection tools and equipment correctly and safely.
- Accurately record patient information, sample details, and test results.
- Follow established protocols to ensure the quality and integrity of collected samples.
- Adhere to health and safety regulations to protect both patients and themselves.
- Properly label, store, and transport specimens to maintain their viability.
- Use discretion and judgment to handle unexpected situations or issues during the collection process.
- Build rapport with patients and work collaboratively with healthcare teams.
- Adjust techniques and approaches to suit different patient needs and clinical settings.
- Understand and comply with legal and ethical standards in pathology collection.
- Maintain professional development to stay current with advancements in pathology collection techniques and practices.

EMPLOYMENT OUTCOMES



Pathology Collector



Phlebotomist

HLT37415

Certificate III in Pathology Assistance

DURATION

Approximately 12 months

COURSE DETAILS

This qualification reflects the role of pathology assistants and specimen reception staff in laboratories. Workers in this role follow established routines and procedures, taking responsibility for their own work under general supervision. They play a crucial part in the pathology process by assisting with specimen collection, processing, and administrative duties, ensuring the smooth operation of laboratory services. Key responsibilities include:

- Assist in collecting various types of samples, including blood, urine, and tissue, following strict protocols to ensure accuracy and safety.
- Receive and log specimens accurately, ensuring all necessary information is recorded and samples are correctly labelled and stored.
- Prepare and process specimens for testing, including centrifuging blood samples, preparing slides, and aliquoting samples.
- Accurately enter patient and specimen information into laboratory information systems.
- Interact with patients, clients, and healthcare professionals to provide information, address inquiries, and ensure excellent service.
- Follow quality control procedures to maintain the integrity of specimens.
- Adhere to health, safety, and infection control regulations.
- Maintain accurate records of specimens, test results, and other relevant information, ensuring proper documentation and reporting.
- Assist in the maintenance and calibration of laboratory equipment.
- Monitor and manage laboratory supplies and inventory, ensuring all necessary materials are available for efficient operation.
- Identify and resolve specimen collection, processing, and administrative tasks issues.

EMPLOYMENT OUTCOMES



Specimen
Collection Officer



Biomedical Laboratory
Assistant



Specimen Reception
Assistant





MSM30318

Certificate III in Manufactured Mineral Products

DURATION

Approximately 18 months

COURSE DETAILS

The MSM30318 Certificate III in Manufactured Mineral Products reflects the role of operators who perform a range of operations to directly produce manufactured mineral products for industry, including cement, pre-cast concrete, pre-mixed concrete, quarry, and asphalt. Operators in this role are expected to work independently, applying both theoretical and technical knowledge, along with well-developed skills, to conduct operations and exercise judgment in critical areas such as start-up and shutdown procedures, quality assurance, and problem-solving.

- Perform tasks to produce manufactured mineral products, adhering to standards and specifications.
- Manage start-up and shutdown of equipment and processes safely and efficiently.
- Implement and oversee quality control measures to meet industry standards.
- Anticipate and resolve routine and non-routine problems, creating solutions for new issues.
- Apply knowledge of products and processes to maintain efficient operations.
- Follow and enforce safety protocols to ensure a safe working environment.
- Operate, maintain, and troubleshoot production equipment.
- Accurately document production processes, quality control results, and operational issues.
- Work with team members and departments for smooth production processes.
- Identify and implement process improvements for greater efficiency.
- Expertise in operating and maintaining production equipment.
- Understanding start-up, shutdown, and operational procedures.
- Strong communication skills for team collaboration.

EMPLOYMENT OUTCOMES



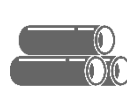
Asphalt Labourer



Cement Worker



Concrete Labourer



Production Worker



Quarry Worker

MSM30116

Certificate III in Process Manufacturing

DURATION

Approximately 18 months

COURSE DETAILS

This qualification provides competencies for advanced production workers who operate various equipment and perform support functions crucial to product manufacturing. They work according to established operating procedures and apply their knowledge to anticipate and resolve a wide range of both anticipated and unexpected issues. By acquiring the following skills, individuals are prepared for advanced roles capable of managing complex production tasks.

- Execute tasks using a variety of equipment to manufacture products.
- Provide essential support functions directly related to the production process.
- Work in accordance with established operating procedures and protocols.
- Apply knowledge to foresee potential issues and develop solutions.
- Monitor and maintain product quality throughout the manufacturing process.
- Identify opportunities for process enhancement and contribute to improvements.
- Adhere to safety protocols and regulations to ensure a safe working environment.
- Operate, maintain, and troubleshoot manufacturing equipment.
- Accurately record production activities, quality control measures, and operational issues.
- Work collaboratively with team members to achieve goals.
- Master advanced techniques in operating manufacturing equipment.
- Follow and enforce operating procedures to maintain consistency and efficiency.
- Continuously update skills and knowledge to keep up with any advancements.
- Contribute to the development and implementation of manufacturing best practices.

EMPLOYMENT OUTCOMES



Asphalt Labourer



Concrete Labourer





MSM40116

Certificate IV in Process Manufacturing

DURATION

Approximately 12 months

COURSE DETAILS

This qualification equips advanced production workers with comprehensive competencies essential for operating a range of equipment and addressing complex problems within manufacturing processes. Completion of this certificate provides a robust foundation for career advancement in process manufacturing, equipping professionals with the skills needed to succeed in dynamic production environments. Key skills acquired include:

- Proficiency in operating a variety of manufacturing equipment to produce goods efficiently and at high quality standards.
- Ability to analyse complex issues within manufacturing processes and apply theoretical knowledge to devise effective solutions.
- Applying theoretical understanding to practical manufacturing operations, ensuring adherence to established procedures and standards.
- Implementing quality control measures to monitor and maintain product integrity throughout the manufacturing process.
- Identifying opportunities for optimising manufacturing processes to enhance efficiency, reduce waste, and improve overall productivity.
- Working effectively within a team environment to achieve production targets and resolve operational challenges.
- Ensuring compliance with health and safety regulations to maintain a safe working environment for all personnel.
- Accurately documenting production activities, including reporting on key metrics and outcomes to facilitate continuous improvement initiatives.

EMPLOYMENT OUTCOMES



Manufacturing Production
Supervisor

BSB50420

Diploma of Leadership and Management

DURATION

Approximately 18 months

COURSE DETAILS

This qualification reflects the capabilities of individuals who demonstrate leadership and management skills across diverse enterprise and industry contexts. Completion of this diploma equips individuals with the skills and knowledge necessary to lead effectively, manage teams, and drive organisational success across diverse industry settings. Key skills acquired include:

- Applying knowledge and practical skills to lead teams and manage operations effectively within an organisation.
- Demonstrating initiative and sound judgment in planning, organising, implementing, and monitoring workloads, both for oneself and for teams.
- Utilising effective communication skills to support individuals and teams, ensuring alignment with organisational goals and objectives.
- Planning, designing, implementing, and evaluating solutions to unpredictable problems that may arise within operational contexts.
- Identifying, analysing, and synthesising information from various sources to inform decision-making and enhance organisational strategies.
- Contributing to strategic planning processes, including the development and implementation of organisational strategies to achieve business objectives.
- Facilitating the development of teams, fostering collaboration, and leveraging individual strengths to achieve collective goals.
- Identifying opportunities for process improvement, efficiency gains, and innovation within operational environments.
- Understanding and applying principles of compliance and governance to ensure organisational practices align with regulatory requirements and ethical standards.

EMPLOYMENT OUTCOMES



Management Role





Pathology Skillsets

A skillset refers to a group of specific skills and knowledge that are bundled together to meet particular industry needs or job roles. These skillsets are derived from our nationally recognised training packages and are designed to provide targeted, job-specific training which enhances an individual's employability or career development.

MSLSS00003

Histotechnology Skillset

The MSLSS00003 skillset encompasses a range of skills and competencies relevant to histotechnologists or professionals working in histopathology laboratories. This includes tissue processing, microscopy, quality control, laboratory safety and communication. This skillset is designed to equip individuals with the technical expertise and knowledge required for successful and accurate histological examinations.

MSLSS00004

Point of Care Testing Using Capillary Blood Specimens Skillset

The MSLSS00004 skillset focuses on developing the competencies required for healthcare professionals to perform point-of-care testing using capillary blood specimens. This includes skills such as proper specimen collection, handling, and testing procedures. Professionals with this skillset may work in various healthcare settings where rapid diagnostic results are needed, such as clinics, emergency rooms, or other point-of-care environments.

MSLSS00005

Anatomical Pathology Simple and Non-Complex Surgical Cut Up Skillset

The MSLSS00005 skillset focuses on developing the competencies required for professionals in anatomical pathology to perform simple and non-complex surgical cut ups. This includes skills related to specimen handling, dissection techniques, and the preparation of tissues for subsequent analysis. Professionals with this skillset may work in pathology laboratories, hospitals, or healthcare settings where anatomical pathology services are provided.

MSLSS00006

Laboratory Quality Skillset

The MSLSS00006 skillset focuses on competencies related to maintaining and ensuring the quality of laboratory processes and results. Professionals with a Laboratory Quality Skillset may work in various laboratory settings, including clinical laboratories, research laboratories, or industrial laboratories.

MSLSS00007

Haematology and Transfusion Skillset

The MSLSS00007 skillset focuses on competencies related to the analysis of blood and blood-related disorders, as well as the administration of blood transfusions. Professionals with this skillset may work in clinical laboratories, hospitals, blood banks, or healthcare settings where expertise in blood analysis and transfusion services is essential.

MSLSS00008

Microbiology Skillset

The MSLSS00008 skillset focuses on competencies related to the study and analysis of microorganisms, including bacteria, viruses, fungi, and parasites. Professionals with a Microbiology Skillset may work in clinical microbiology laboratories, research institutions, pharmaceutical companies, or public health settings.

MSLSS00009

Chemical Pathology Skillset

The MSLSS00009 skillset focuses on competencies related to the study and analysis of biochemical components in bodily fluids, such as blood and urine. Professionals with a Chemical Pathology Skillset may work in clinical laboratories, hospitals, or other healthcare settings where expertise in biochemical analysis is essential.

MSLSS00010

Pathology Multi-Discipline Laboratory Skillset

The MSLSS00010 skillset focuses on a set of comprehensive competencies that spans multiple disciplines within pathology. Professionals with this skillset may work in diagnostic pathology laboratories, hospitals, research institutions, or other healthcare settings where expertise in multiple pathology disciplines is essential.

MSLSS00011

Molecular Biology Skillset

The MSLSS00011 skillset focuses on competencies related to the study and manipulation of biological molecules at the molecular level. Professionals with a Molecular Biology Skillset may work in research laboratories, biotechnology companies, clinical laboratories, or other settings where expertise in molecular biology techniques is essential.

HLTAID011

Provide First Aid

DURATION

1 day

COURSE DETAILS

HLTAID011 Provide First Aid is among the most commonly offered workplace First Aid courses in Australia and holds recognition in all states and territories. This First Aid refresher course imparts both the theoretical understanding and practical application of First Aid skills, covering more than two dozen prevalent First Aid conditions and illnesses. Within this course, you will acquire the skills and knowledge necessary to deliver a First Aid response and life support, manage casualties, incidents, and other First Aiders until qualified emergency assistance arrives at the scene.

Key learning objectives include:

- Identifying and assessing emergency situations.
- Ensuring safety for yourself, bystanders, and casualties.
- Requesting assistance from emergency services.
- Performing cardiopulmonary resuscitation (CPR) in accordance with Australian Resuscitation Council (ARC) guidelines.
- Administering First Aid following established principles.
- Handling casualties with respect.
- Seeking consent from casualties where possible.
- Utilising available resources and equipment to provide comfort to casualties.
- Operating First Aid equipment following manufacturers' instructions.
- Monitoring the casualty's condition and responding in alignment with First Aid principles.
- Accurately conveying incident details to emergency services.
- Reporting incident details in accordance with relevant workplace or site procedures.
- Completing necessary workplace or site documentation, including incident reports.
- Safeguarding the privacy and confidentiality of information in compliance with statutory or organisational policies.
- Recognising potential psychological impacts on oneself and other rescuers and seeking assistance when necessary.
- Contributing to a review of the First Aid response as required.



OUR BLENDED DELIVERY MODEL

- ✓ Balanced and flexible educational experience
- ✓ Prepares students for their careers
- ✓ Integrates online learning with practical benefits of face-to-face workplace training



Online Learning

Access to Resources: Students can access learning materials, such as lectures, readings, videos, and quizzes, through an online platform at their convenience.

Interactive Elements: Online learning often includes interactive elements like discussion forums, virtual classrooms, and group projects to facilitate collaboration and engagement.

Self-Paced Learning: Students can progress through the course at their own pace, allowing them to balance their studies with work and other commitments.

Continuous Assessment: Online assessments and quizzes can provide immediate feedback, helping students gauge their understanding and progress.

Face-to-Face Workplace Delivery

Practical Training: Hands-on training sessions in the workplace enable students to apply theoretical knowledge in real-world settings.

Mentorship: Students can receive guidance and mentorship from experienced professionals, enhancing their practical skills and industry knowledge.

Collaborative Learning: In-person interactions with peers and instructors facilitate collaborative learning and the development of soft skills like communication and teamwork.

Immediate Feedback: Face-to-face sessions allow for immediate feedback and clarification of doubts, helping students to quickly address any learning gaps.

Integration of Both Methods

Complementary Approaches: Online and face-to-face components are designed to complement each other. For example, theoretical concepts learned online can be practiced during workplace training sessions.

Flexible Scheduling: Blended learning provides flexibility in scheduling, allowing students to choose when to engage with online materials and attend in-person sessions based on their availability.

Holistic Learning Experience: Combining both methods offers a holistic learning experience that leverages the strengths of each approach, ensuring students gain both theoretical knowledge and practical skills.

Personalised Support: Instructors can track student progress online and provide personalised support during face-to-face sessions, addressing specific needs and challenges.

To find out more about our offerings, get in contact with us at:



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