



OPTIMAL ACADEMY · COURSE PORTFOLIO 2026

Learn. Grow. Succeed.

Integrated Career Pathways Across the Asset Lifecycle.

From skills assessment to specialist expertise and leadership

Assess

the skills your people hold today

Develop

through ten programmes and services

Progress

along a defined career pathway

OPERATIONS

MAINTENANCE

RELIABILITY

PREDICTIVE ANALYTICS

PROJECT DELIVERY

ASSET MANAGEMENT

Optimal® | Asset Lifecycle Performance Partner

COURSES AND SERVICES AT A GLANCE

Ten Programmes. Six Career Tracks.

Optimal Academy trains the people who operate, maintain and manage physical assets – from the stores floor to the boardroom. Each programme sits in one of six tracks, and a skills gap analysis shows each organisation where to start.

No.	Programme or Service	Track	Duration	Recognition
01	Asset Management Skills Gap Analysis	Asset Management	Scoped per organisation	Assessment report and training plan
02	Store Person NQF Level 2	Operations	Three days (24 hours) plus work experience	QCTO certificate, issued after external assessment
03	Operations & Maintenance of Pumps for Technicians	Operations	Two days (16 hours)	Certificate of completion
04	Maintenance Planner	Maintenance	Per intake timetable	Programme certified by Tshwane University of Technology; CPD points
05	Certified Maintenance Planner (CMP) Preparation	Maintenance	28 hours	Course-completion record; credential applied for separately
06	Certified Maintenance & Reliability Professional (CMRP) Preparation	Reliability	28 hours	Course-completion record; credential applied for separately
07	ML & Predictive Analytics Streams: Mining, Power Generation, FMCG	Predictive Analytics	Ten days (80 hours) per stream	Certificate of completion
08	Project Management – PMP® Pathway	Project Delivery	Three days (24 hours)	Certificate of completion
09	Introduction to Asset Management	Asset Management	Three days (24 hours)	Certificate of completion
10	Asset Management – Executive Brief	Asset Management	Agreed per client	Certificate of attendance

01 Industry-Focused Training Courses built around the work of operations, maintenance, reliability and asset management teams.	02 Experienced Facilitators Courses led by experienced facilitators.	03 Flexible Learning Options Online, on-site or in-house delivery, confirmed for each course.	04 Aligned to International Standards ISO 55000, ISO 14224, ISO 13374 and the SMRP Body of Knowledge, as stated in each course.
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Fees are provided on request in the Optimal Academy Fee Schedule. Our courses do not award external professional credentials; each credential is applied for separately through its awarding body.

STRATEGIC COURSE ROADMAP

From Skills Assessment to Leadership.

The Skills Gap Analysis sets the baseline. The programmes then build capability in six tracks, each leading to a defined next role.

PROGRAMME 01 · START HERE

Asset Management Skills Gap Analysis

01

Assess current skills and capabilities

02

Identify gaps and development needs

03

Recommend targeted training pathways

04

Support workforce and succession planning

05

Enable a high-performing, future-ready workforce

KEY OUTCOMES

- Clear Skills Baseline
- Targeted Development Plan
- Optimised Training Investment
- Improved Organisational Performance

Specialised Courses Build Capability · Prepare for Credentials · Improve Performance

OPERATIONS	MAINTENANCE	RELIABILITY	PREDICTIVE ANALYTICS	PROJECT DELIVERY	ASSET MANAGEMENT
02 Store Person NQF L2 Three days (24 hours) plus work experience	04 Maintenance Planner Per intake timetable	06 CMRP Preparation 28 hours	07 ML & Predictive Analytics Ten days (80 hours) per stream Mining Power Generation FMCG	08 PMP® Pathway Three days (24 hours)	09 Introduction to Asset Management Three days (24 hours)
03 Pumps for Technicians Two days (16 hours)	05 CMP Preparation 28 hours				10 Executive Brief Agreed per client

CAREER PROGRESSION PATHWAYS (Illustrative, Not a Certification Guarantee)

STORES

Warehouse Assistant › Store Person

RELIABILITY

Reliability Technician / Engineer › Reliability Engineer

OPERATIONS

Operator / Apprentice › Technician

PREDICTIVE ANALYTICS

Mining / Power / FMCG Practitioner › Predictive Maintenance Specialist

MAINTENANCE

Maintenance Technician › Maintenance Planner

PROJECT DELIVERY

Project Co-ordinator / Lead › Project Manager

PLANNING

Maintenance Planner › Senior Planner / Planning Lead

ASSET MANAGEMENT

Technician / Engineer › Asset Management Practitioner › Asset Manager / Executive

Strategic Outcomes

A More Skilled Workforce Build technical and leadership capability.	Improved Asset Performance Increase reliability, availability and efficiency.	Reduced Risk and Cost Proactive maintenance and data-driven decisions.
Greater Operational Efficiency Optimised people, processes and assets.	Expert Facilitation Experienced facilitators and international good practice.	Sustainable Organisational Growth A future-ready workforce and long-term value.

PROGRAMME 01 · ASSET MANAGEMENT · ORGANISATIONAL SERVICE

Asset Management Skills Gap Analysis.

We align organisational goals, job descriptions and job profiles, assess the skills people hold today, analyse the competency gaps and produce a prioritised training plan that informs the Workplace Skills Plan and Annual Training Report you submit to your SETA.

UNDERSTAND TODAY. PLAN TOMORROW.

An evidence-led assessment of your workforce's skills against the roles your asset strategy needs, ending in a prioritised training plan.

DURATION

Scoped with each organisation

DELIVERY

On-site and online, agreed with the client

RECOGNITION

Optimal Academy assessment report and prioritised training plan

How the Analysis Runs

01 Strategic Alignment

Review organisational goals, target skills and the resources required.

02 Role Requirements

Review job descriptions, responsibilities and job profiles.

03 Assessment Design

Define the target population, the competencies to assess and an electronic or manual survey approach.

04 Gap Analysis

Collate and validate the data, identify competency gaps and analyse trends.

05 Reporting and Action

Prioritise training needs, recommend interventions and inform the Workplace Skills Plan and Annual Training Report.

LEARNING OUTCOMES

- A clear skills baseline for each role assessed
- A targeted, prioritised development plan
- Training investment directed where the gaps are largest
- Evidence for succession planning and organisational development

WHO SHOULD ATTEND

Human resources and learning and development leaders, asset managers, workforce planners and organisations seeking evidence-led skills development.

CAREER PATHWAY (ILLUSTRATIVE)

- Role Assessment
- Skills Gap Identification
- Development Plan
- Capability Review

PROGRAMME 02 · OPERATIONS · OCCUPATIONAL QUALIFICATION

Store Person NQF Level 2.

A practical course for people who receive, store, pick and count stock. Learners build the knowledge, practical skills and workplace habits that keep stores accurate, safe and accountable.

OCCUPATIONAL QUALIFICATION

Stock receiving, movement, picking, packing, counting, safe storage and stock-loss prevention.

DURATION

24 facilitated hours (three days), plus work experience modules

DELIVERY

Venue confirmed in writing with each intake; work experience modules at the learner's workplace

RECOGNITION

Prepares learners for the Occupational Certificate: Store Person (NQF Level 2), which the QCTO issues after the external assessment

What You Will Learn

01 Knowledge Modules (9 Credits)

Moving and packing stock in a storage area; picking and counting stock; maintaining a stock storage area, including safe handling, stock identification, documentation, housekeeping and loss prevention.

02 Practical Skill Modules (13 Credits)

Move stock in and out of storage areas; pack stock; pick stock; count and reconcile stock; maintain the stock storage area and record movements and discrepancies.

03 Work Experience Modules (19 Credits)

Apply the processes and procedures for moving, packing, picking and counting stock, and for housekeeping and a safe storage area, in the workplace.

LEARNING OUTCOMES

- Receive, store and issue stock safely and accurately
- Pick and pack orders to specification
- Count, reconcile and report stock and discrepancies
- Apply housekeeping and loss-prevention practice

WHO SHOULD ATTEND

Store assistants, pickers, warehouse personnel and new entrants to distribution, retail and industrial stores operations.

ENTRY REQUIREMENTS

NQF Level 1 with Mathematics and Communication.

RECOGNITION AND CERTIFICATION

Optimal® is accredited by the Quality Council for Trades and Occupations (QCTO) as a Skills Development Provider for the Occupational Certificate: Store Person (NQF Level 2, SAQA qualification 99703, 41 credits). Accreditation number 07-QCTO/SDP290725181836.

The certificate is issued by the QCTO after the learner passes the external integrated summative assessment at a QCTO-accredited assessment centre. Ask us for current intake dates.

CAREER PATHWAY (ILLUSTRATIVE)

- Warehouse Assistant
- Store Person
- Inventory / Materials Controller

PROGRAMME 03 · OPERATIONS · TECHNICAL COURSE

Operations & Maintenance of Pumps for Technicians.

A two-day technical course on how pumps work, how they fail and how to run, inspect and maintain them safely. Learners finish with an inspection and troubleshooting checklist built from operating data.

TECHNICAL COURSE

Pump fundamentals, centrifugal and diaphragm pumps, seals, operating parameters, troubleshooting and safe maintenance.

DURATION

16 facilitated hours (two days)

DELIVERY

On-site or in-house

RECOGNITION

Optimal Academy certificate of completion

What You Will Learn

01 Pump Fundamentals

Pump types and applications; centrifugal and diaphragm pumps; flow, head, efficiency and operating curves.

02 Operation and Troubleshooting

Start-up and shutdown; cavitation; priming; abnormal noise, vibration and overheating.

03 Maintenance Practice

Bearings, seals, lubrication, inspection, alignment, fault diagnosis and preventive maintenance.

04 Practical Exercise

Interpret operating data and develop a pump inspection and troubleshooting checklist.

LEARNING OUTCOMES

- Read a pump curve and relate it to plant operation
- Recognise cavitation, priming and seal problems early
- Apply safe start-up, shutdown and maintenance practice
- Use operating data to plan inspection and repair

WHO SHOULD ATTEND

Operators, apprentices, technicians and maintenance practitioners who run or maintain pumps.

CAREER PATHWAY (ILLUSTRATIVE)

- Operator / Apprentice
- Technician
- Maintenance Supervisor

PROGRAMME 04 · MAINTENANCE · SHORT LEARNING PROGRAMME

Maintenance Planner.

For people moving into maintenance planning and for working planners without formal certification. Six technical units and seven soft-skill units, so that planners can plan the work and win the co-operation needed to execute it.

DURATION

Timetable confirmed with each intake

DELIVERY

Online

RECOGNITION

Programme certified by Tshwane University of Technology

Certified by Tshwane University of Technology and delivered by the Tshwane Institute for Continuing Education. The programme carries CPD points recognised by the Southern African Asset Management Association (SAAMA); current points are confirmed with each intake.

Technical Units

- 01 MP1.0 Introduction to Integrated Asset Management**
Asset lifecycle, organisational objectives, maintenance strategy and asset management principles.
- 02 MP1.1 Key Maintenance Workflow Elements**
Work identification, notification, prioritisation, planning, scheduling, execution and close-out.
- 03 MP1.2 Planning a Simple Maintenance Task**
Job scoping, work packs, resources, labour, materials, durations and safety requirements.
- 04 MP1.3 Planning Techniques for Projects and Shutdowns**
Shutdown scope, work breakdown, dependencies, critical path, resource co-ordination and progress control.
- 05 MP1.4 Configuration and Documentation Control**
Technical records, asset configuration, revision control, drawings, document traceability and change control.
- 06 MP2.1 Getting Maximum Value From Your CMMS**
Asset hierarchy, work orders, preventive maintenance, data quality, reporting and maintenance KPIs.

LEARNING OUTCOMES

- Plan maintenance within an integrated asset management system
- Scope, prioritise and schedule maintenance tasks
- Apply the critical path method to projects and shutdowns
- Maintain master data and documentation, and use the CMMS well
- Communicate the plan and win co-operation to execute it

WHO SHOULD ATTEND

Tradespeople moving into maintenance planning; supervisors of tradespeople; maintenance planners, advisers, schedulers, shutdown co-ordinators and shutdown planners without formal certification.

Soft-Skill Units

- 01 MP3.1 Effective Communication**
Clear job plans, work instructions and handovers; reporting schedule and backlog status to supervisors and operations.
- 02 MP3.2 Facilitation**
Running the weekly scheduling meeting and shutdown planning sessions so that decisions are made and recorded.
- 03 MP3.3 Effective Time Management**
Protecting planning time from reactive work; prioritising the planner's own workload against the schedule horizon.
- 04 MP3.4 Customer Service**
Treating operations as the planner's customer; agreeing access windows, priorities and feedback on completed work.
- 05 MP3.5 Leadership**
Influencing without authority; building trust with crafts, supervisors and contractors; supporting schedule compliance.
- 06 MP3.6 Problem Solving and Decision-Making**
Structured analysis of delays, repeat work and resource conflicts; choosing and justifying a course of action.
- 07 MP3.7 Negotiation**
Agreeing equipment release, shutdown scope and contractor resources when priorities compete.

CAREER PATHWAY (ILLUSTRATIVE)

- Technician
- Maintenance Planner
- Senior Planner / Planning Lead

ENTRY REQUIREMENTS

One of: NQF Level 4 with mathematics and physical science; NQF Level 4 with three years' maintenance planning experience; or a qualified artisan.

PROGRAMME 05 · MAINTENANCE · CREDENTIAL PREPARATION

Certified Maintenance Planner (CMP) Preparation.

Preparatory learning for experienced planners applying for the Certified Maintenance Planner (CMP) designation of the Southern African Asset Management Association (SAAMA), subject to SAAMA's requirements. The course consolidates planning and scheduling practice and supports learners in preparing the portfolio of evidence that SAAMA evaluates.

CREDENTIAL PREPARATION

Planning, scheduling, backlog, job plans, CMMS and EAM data and maintenance performance, with SAAMA CMP portfolio preparation.

DURATION

28 facilitated hours

DELIVERY

Online, on-site or in-house

RECOGNITION

Optimal Academy course-completion record

What You Will Learn

01 Planning Foundations

Planner responsibilities, work identification, job scope, job plans and work preparation.

02 Scheduling and Control

Backlog management, priorities, weekly scheduling, capacity and schedule compliance.

03 Materials and Resources

Bills of materials, spares, labour estimates, tools and contractor co-ordination.

04 Digital Planning

CMMS and EAM data, work-order quality, maintenance history and reporting.

05 Portfolio and Assessment Readiness

Practice scenarios, applied calculations, terminology review and preparation of the portfolio of evidence.

LEARNING OUTCOMES

- Build complete job plans and work packs
- Manage backlog and build a weekly schedule against capacity
- Use CMMS data to measure planning performance
- Prepare a portfolio of evidence for the SAAMA CMP application

WHO SHOULD ATTEND

Maintenance planners, schedulers and planning supervisors preparing to apply for the SAAMA CMP designation.

ENTRY REQUIREMENTS

SAAMA requires CMP applicants to hold the QCTO Occupational Certificate: Maintenance Planner (NQF Level 5) and three years' experience as a planner. Graduates of our Maintenance Planner programme can seek that certificate through recognition of prior learning.

RECOGNITION AND CERTIFICATION

Applications for the Certified Maintenance Planner designation are made to SAAMA, which evaluates each applicant's portfolio of evidence against its own requirements. Completing this course does not award the designation.

SAAMA application fees are not included unless agreed in the quotation.

CAREER PATHWAY (ILLUSTRATIVE)

- Maintenance Planner
- CMP Candidate
- Planning Lead

PROGRAMME 06 · RELIABILITY · CREDENTIAL PREPARATION

Certified Maintenance & Reliability Professional (CMRP) Preparation.

Preparation for the CMRP examination, organised around the five pillars of the SMRP Body of Knowledge. Learners strengthen how they manage maintenance and equipment reliability while preparing for the separate examination.

CREDENTIAL PREPARATION

The five pillars of the SMRP Body of Knowledge, with knowledge checks, worked scenarios and practice questions.

DURATION

28 facilitated hours

DELIVERY

Online, on-site or in-house

RECOGNITION

Optimal Academy course-completion record

The Five Pillars

01 Business and Management

Asset and maintenance strategy, performance objectives, value and business alignment.

02 Manufacturing Process Reliability

Process performance, production losses, equipment–process interaction and improvement.

03 Equipment Reliability

Failure modes; reliability analysis; preventive and predictive maintenance.

04 Organization and Leadership

Competency, team effectiveness, communication, change and reliability culture.

05 Work Management

Work identification, planning, scheduling, execution, feedback and maintenance performance.

06 Preparation Activities

Knowledge checks, worked scenarios, guided revision and practice questions.

LEARNING OUTCOMES

- Apply each pillar of the SMRP Body of Knowledge to your own operation
- Link maintenance and reliability decisions to business value
- Use reliability analysis to choose maintenance tactics
- Approach the CMRP examination with a tested revision plan

WHO SHOULD ATTEND

Maintenance, reliability, production, engineering and asset management professionals preparing for the CMRP examination.

ENTRY REQUIREMENTS

SMRPCO sets no education or experience prerequisites for the CMRP examination.

RECOGNITION AND CERTIFICATION

The CMRP examination (110 multiple-choice questions, 2.5 hours) is administered by the SMRP Certifying Organization (SMRPCO) and booked separately; its fee is not included.

This course is independent of, and not endorsed by, SMRP or SMRPCO. CMRP is a mark of SMRP.

CAREER PATHWAY (ILLUSTRATIVE)

- Planner / Engineer
- CMRP Candidate
- Reliability Lead

PROGRAMME 07 · PREDICTIVE ANALYTICS · SPECIALIST PROGRAMME

ML & Predictive Analytics.

A specialist programme that takes engineers from equipment data to governed maintenance decisions. Each stream applies the same decision chain – data, detection, prognosis and advice – to the assets and failure modes of its industry and ends with an asset-specific capstone or case study.

THREE INDUSTRY STREAMS

Machine learning and predictive analytics for maintenance decisions, taught in three industry streams: Mining, Power Generation and FMCG.

DURATION

80 facilitated hours per stream (ten days)

DELIVERY

Online, on-site or in-house

RECOGNITION

Optimal Academy certificate of completion

One Decision Chain, Three Industries

STREAM

Mining

Mining fleet and heavy equipment data, failure modes, anomaly detection, prognosis and governed maintenance decisions.

STREAM

Power Generation

The ISO 13374 decision chain applied to transformers and rotating plant: data quality, detection, prognosis, governance and maintenance advice.

STREAM

FMCG

Production and packaging line predictive analytics: line data, failure modes, anomaly detection, prognosis and maintenance decisions that reduce downtime.

HOW THE STREAMS WORK

Each stream has six modules, from reliability foundations to a practical case study or capstone. Learners choose the stream that matches their operation.

LEARNING OUTCOMES

- Define a predictive maintenance use case from failure modes and decision points
- Prepare, align and govern equipment data from CMMS, historians and sensors
- Build, validate and monitor anomaly-detection and prediction models
- Turn model output into maintenance plans, work orders and spares decisions

WHO SHOULD ATTEND

Reliability, maintenance and asset management engineers, technicians and data practitioners in mining, power generation and FMCG operations.

CAREER PATHWAY (ILLUSTRATIVE)

- Reliability Technician / Engineer
- Predictive Maintenance Specialist
- Analytics / Asset Performance Lead

PROGRAMME 07 · ML & PREDICTIVE ANALYTICS · STREAM CONTENT

What Each Stream Covers.

Each stream runs for 80 facilitated hours and ends with an asset-specific capstone or case study.

STREAM

Mining

Mining fleet and heavy equipment data, failure modes, anomaly detection, prognosis and governed maintenance decisions.

Mining Reliability Foundations

Critical equipment, operating context, failure modes and maintenance decision points.

Equipment Health Signals

Haul truck and mobile equipment health signals; conveyor, drive, motor and rotating equipment indicators.

Data Readiness

Fleet management, CMMS and EAM, sensors, operating hours, load profiles, data quality and integration.

Analytics

Trend analysis, anomaly detection, failure prediction, model validation and alert thresholds.

Operational Application

Turning equipment-health insight into maintenance plans, work orders, spares and downtime reduction.

Practical Case Study

Build an equipment-health use case with measurable operational and reliability KPIs.

Mining Technician › Predictive Maintenance Specialist › Asset Performance Lead

STREAM

Power Generation

The ISO 13374 decision chain applied to transformers and rotating plant: data quality, detection, prognosis, governance and maintenance advice.

Predictive Maintenance Foundations

Maintenance strategies, use-case definition, failure modes and reliability engineering.

Power Plant Data

Transformer dissolved-gas analysis, partial discharge, thermography, rotating plant vibration and operating signals.

Data Preparation

CMMS and EAM, SCADA and historian integration, time alignment, data quality, lineage and governance.

Analytics and Modelling

Statistics, time series, baselines, anomaly detection, supervised models and validation.

Standards and Decisions

ISO 13374 functional blocks, ISO 14224 taxonomy, ISO 13381-1 prognostics, ISO 17359 general guidelines and maintenance advice.

Implementation and Practical Work

False-alarm assessment, model monitoring, cybersecurity, business case and an asset-specific capstone.

Reliability Engineer › Predictive Maintenance Specialist › Analytics Lead

STREAM

FMCG

Production and packaging line predictive analytics: line data, failure modes, anomaly detection, prognosis and maintenance decisions that reduce downtime.

FMCG Reliability Foundations

Production and packaging line equipment; operating context and failure modes; changeover and hygiene constraints; the maintenance decision points that protect line availability.

Line and Utility Data

Vibration, temperature and motor current on drives, gearboxes, conveyors, fillers and pumps; compressed air, refrigeration and steam utilities; PLC and SCADA signals; stoppage and reject records.

Data Preparation

CMMS and EAM, MES and line-stoppage records, historian integration, alignment of machine signals with production events, data quality and governance.

Analytics and Modelling

Baselines by product and line speed, anomaly detection on cyclic machine signals, minor-stoppage pattern analysis, failure prediction, model validation and alert thresholds.

Standards and Decisions

OEE and availability-loss accounting (ISO 22400); ISO 14224 taxonomy; ISO 13374 data processing; maintenance advice timed to changeovers and planned stops.

Implementation and Practical Work

False-alarm assessment; model monitoring; a business case built on downtime and waste cost; a line-specific capstone with measurable availability and quality KPIs.

Production / Maintenance Technician › Predictive Maintenance Specialist › Asset Performance Lead

PROGRAMME 08 · PROJECT DELIVERY · INTRODUCTORY COURSE

Project Management – PMP® Pathway.

A three-day introduction to project management for technical people who lead projects and shutdowns. It covers the project lifecycle from business case to handover, and shows learners the route to the PMP® credential through the Project Management Institute (PMI).

INTRODUCTORY COURSE

Project principles, organisational structures, planning, communication, execution control and reporting – the first step towards the PMP credential.

DURATION

24 facilitated hours (three days)

DELIVERY

Online, on-site or in-house

RECOGNITION

Optimal Academy certificate of completion

What You Will Learn

01 Project Foundations

Project lifecycle; governance; identifying the people affected by the project; the business case.

02 Planning

Scope, work breakdown structure, schedule, resources, costs and procurement.

03 Delivery and Control

Risk, quality, communications, change control, progress reporting and performance measures.

04 Closure and Application

Handover, lessons learned and an applied project case study.

05 The Credential Route

How this course relates to PMI's eligibility requirements and the PMP® examination.

LEARNING OUTCOMES

- Build a scope, work breakdown structure and schedule for a project or shutdown
- Control risk, quality, change and progress
- Report progress to project sponsors and client leadership
- Plan your own route to PMP® eligibility

WHO SHOULD ATTEND

Technical specialists, co-ordinators, supervisors and aspiring project managers.

CAREER PATHWAY (ILLUSTRATIVE)

- Project Co-ordinator
- Project / Shutdown Lead
- Project Manager
- PMP Applicant

Route to the PMP® Credential

Foundation Course	Documented Project Leadership Experience	35 Hours of PMI-Eligible Training	PMI Eligibility Review	PMI Application and Examination
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RECOGNITION AND CERTIFICATION

This is an introductory course. It is not a PMI Authorized Training Partner course and does not provide the 35 hours of project management education required for PMP® eligibility. From 1 December 2026, PMI accepts live instructor-led training towards those hours only from Authorized Training Partners and accredited academic programmes.

PMP and PMBOK are registered marks of the Project Management Institute, Inc.

PROGRAMME 09 · ASSET MANAGEMENT · FOUNDATION COURSE

Introduction to Asset Management.

An introductory, practice-oriented course that explains how organisations realise value from their assets across the whole lifecycle. Three facilitated days combine the principles with case discussions and an applied workshop on your own organisation's gaps.

DURATION

24 facilitated hours (three days)

DELIVERY

Online, on-site or in-house

RECOGNITION

Optimal Academy certificate of completion

What You Will Learn

01 Introduction to Asset Management

Purpose, value creation and the ISO 55000 family: ISO 55000:2024, ISO 55001:2024 and ISO 55002:2018.

02 Asset Management Concepts

Alignment, leadership, assurance, lifecycle activities and decision-making.

03 Asset Management System Models

The asset management system, capability models and the 40 subjects of the GFMAM Asset Management Landscape.

04 Strategy and Planning

Asset management policy, objectives, demand analysis and asset management plans.

05 Asset Management Decisions

Capital investment, operations and maintenance, lifecycle value, resources and shutdowns.

06 Lifecycle Delivery

Acquisition, systems engineering, configuration, maintenance, reliability and disposal.

07 Asset Information

Strategy, standards, systems and data governance.

08 Organisation and People

Leadership, culture, organisational change and competence.

09 Risk and Review

Risk management, resilience, performance, audits, costing and engagement with interested parties.

10 Applied Workshop

Map asset management gaps and identify improvement priorities.

LEARNING OUTCOMES

- Explain how asset management creates value
- Describe the ISO 55000 family and the asset management system
- Relate lifecycle decisions to cost, risk and performance
- Identify improvement priorities for your organisation

WHO SHOULD ATTEND

Maintenance planners, technicians, engineers, operations and reliability personnel, supervisors, asset owners and managers seeking an integrated understanding of asset management.

CAREER PATHWAY (ILLUSTRATIVE)

- Technical / Operational Practitioner
- Asset Management Practitioner
- Asset Management Lead / Manager

RECOGNITION AND CERTIFICATION

An Optimal Academy course structured around ISO 55000:2024 and the GFMAM Asset Management Landscape (third edition, 2024), with reference to the Institute of Asset Management's An Anatomy of Asset Management (Version 4, 2024).

It is not endorsed by the IAM or the GFMAM, and no IAM or GFMAM qualification or examination is included.

PROGRAMME 10 · ASSET MANAGEMENT · EXECUTIVE BRIEFING

Asset Management – Executive Brief.

A briefing for directors and senior managers on what asset management is and why it matters to the organisation's value and risk. It sets out what leadership must decide to put it in place. It uses practical organisational examples and case studies.

EXECUTIVE BRIEFING

An executive-level introduction to asset management, ISO 55000 principles and the leadership decisions needed to realise value from assets.

DURATION

Scope and timetable agreed with each client

DELIVERY

In-house or online

RECOGNITION

Optimal Academy certificate of attendance

What the Brief Covers

01 Concepts and Definitions

Value, lifecycle costs and balancing performance, opportunities, cost and risk.

02 The Asset Management Landscape

Policy, strategy, organisational context, operational excellence and performance.

03 Risk

Asset risks, assessment, analysis and mitigation.

04 ISO 55000 and ISO 55001

The 2024 editions: structure, objectives, implementation and organisational alignment.

05 People and Organisation

Structure, culture, leadership and communication with interested parties.

06 Asset Management Maturity

Maturity models, self-assessment and development priorities.

LEARNING OUTCOMES

- Explain asset management and the value it creates
- Identify good practice in asset management
- Communicate asset management priorities across the organisation
- Champion a roadmap for organisational asset management

WHO SHOULD ATTEND

Directors, executives, senior asset managers, risk managers and managers of production and operations.

CAREER PATHWAY (ILLUSTRATIVE)

- Senior Manager
- Asset Management Sponsor
- Executive

FROM ENQUIRY TO CAREER GROWTH

Ten Steps From Enquiry to Certificate.

Learners follow ten steps from first enquiry to certificate, each with a stated timing.

01 Show of Interest The learner or employer enquires through the website, by phone, by email, on social media, at an event or by referral. Day 0	02 Initial Response We acknowledge the enquiry and send course information and the brochure. We confirm what the learner needs. Within 24 hours	03 Needs Analysis and Guidance We discuss goals and background, confirm entry requirements and recommend a single course or a multi-course pathway, with dates, delivery options and costs. 1–2 days	04 Registration The learner completes the registration form, submits the required documents (identity document and qualifications) and receives the enrolment terms. 1–2 days	05 Payment We issue a quotation or invoice, accept payment by EFT, card or purchase order and send the official enrolment confirmation. 1–5 days
06 Pre-Course Preparation We send the welcome pack, course overview, pre-reading and access details. We confirm the schedule, venue and logistics. 1–7 days before	07 Course Delivery Interactive sessions, practical exercises and real-world examples, aligned to the course outcomes, with attendance recorded daily. Per course timetable	08 Assessment and Feedback Knowledge assessments and practical activities or simulations, with assignments or portfolio evidence where applicable. Every learner receives individual feedback. During and at the end	09 Completion and Certification For Optimal Academy courses we issue a certificate and a statement of results, with a digital badge where applicable. The QCTO issues the Store Person certificate after the external assessment; Tshwane University of Technology certifies the Maintenance Planner programme. 5–10 working days after	10 Post-Course Support Access to learning resources, post-course questions, advice on the next course in the pathway and alumni updates. Ongoing

THROUGHOUT Email updates · Phone follow-ups · WhatsApp and SMS · Personalised support

HOW LEARNING IS ASSESSED

Knowledge assessments and practical activities or simulations, with assignments or portfolio evidence where the course requires them. Every learner receives individual feedback.

CONTINUED CAREER GROWTH

Learners progress to the next course on their pathway – for example Store Person, Pumps for Technicians, Maintenance Planner, CMP and CMRP Preparation, ML & Predictive Analytics and Project Management.

START THE CONVERSATION

Build the Skills Behind Better Asset Performance.

Tell us the roles you need to develop. We will recommend a course or a pathway, confirm dates and delivery, and send a written quotation.

ENQUIRIES

enquiries@optimal.world
+27 11 083 8586

ONLINE

academy.optimalworld.org
www.optimal.world

QCTO ACCREDITATION

Occupational Certificate: Store Person (NQF Level 2, SAQA qualification 99703). Accreditation number 07-QCTO/SDP290725181836.

UNIVERSITY CERTIFICATION

The Maintenance Planner programme is certified by Tshwane University of Technology and delivered by the Tshwane Institute for Continuing Education.

PROFESSIONAL CREDENTIALS

CMRP (SMRPCO), CMP (SAAMA) and PMP® (PMI) are awarded only by their own bodies, under their own requirements. Our CMRP and CMP preparation courses and our introductory PMP® Pathway course do not award them.

STANDARDS REFERENCED

ISO 55000:2024, ISO 55001:2024, ISO 14224, ISO 13374, ISO 13381-1 and the GFMAM Asset Management Landscape, as stated in each course.

Optimal® is ISO 9001:2015 certified by Bureau Veritas.

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