



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Management Skills for Engineers

Custom Courses / Leadership and Management

Unit Standard AATICD-0087 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips engineers with essential management skills to transition from technical roles to leadership positions. It focuses on bridging the gap between engineering expertise and effective team and project management, enabling learners to lead multidisciplinary teams, manage resources, and drive organizational success.

Category	Custom Courses
Subfield	Leadership and Management
Unit Standard	AATICD-0087
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply management principles to plan, organize, lead, and control engineering projects and teams.
- Analyze organizational structures and team dynamics to optimize performance and communication.
- Evaluate financial and resource constraints to make informed management decisions.
- Design strategies for conflict resolution, motivation, and performance management within engineering contexts.
- Implement effective communication and delegation techniques to enhance team productivity.
- Demonstrate ethical leadership and adherence to professional standards in engineering management.

WHO SHOULD ATTEND

- Engineers and technical professionals who are moving into or currently in management roles, including project leaders, team leads, and technical managers seeking to enhance their leadership and management competencies.

COURSE OUTLINE

Day 1: Foundations of Management for Engineers

- Introduction to management principles and engineering management
- The management process: planning, organising, leading, controlling
- Leadership vs. management: styles and applications
- Effective communication in technical environments
- Team dynamics and building high-performance teams
- Overview of project management basics

Day 2: Strategic Planning and Decision-Making

- Strategic planning frameworks: SWOT, PESTLE, and scenario planning
- Decision-making models: rational, bounded rationality, and intuitive
- Risk assessment and management in engineering
- Setting SMART objectives and key performance indicators (KPIs)
- Resource allocation and prioritisation techniques
- Case studies on strategic decisions in engineering firms

Day 3: Project Management and Operational Excellence

- Project life cycle and work breakdown structures
- Scheduling tools: Gantt charts, critical path method (CPM), PERT
- Cost estimation and budget management
- Quality management: TQM, Lean, Six Sigma fundamentals
- Operational process mapping and optimisation
- Performance measurement and balanced scorecard

Day 4: People Management and Team Leadership

- Motivation theories: Maslow, Herzberg, Expectancy theory
- Situational leadership and adaptive management
- Conflict resolution strategies and negotiation skills
- Performance appraisals and feedback techniques
- Coaching and mentoring for professional development
- Diversity and inclusion in engineering teams

Day 5: Ethics, Compliance, and Integrated Management

- Engineering ethics and professional conduct (ECSA code)
- Legal and regulatory compliance: OHS, environmental, labour
- Corporate governance and stakeholder management
- Capstone exercise: managing a simulated engineering project
- Personal development planning and lifelong learning
- Course wrap-up and evaluation

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,700.00	R 17,700.00
1	In-House	R 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
31 Aug 2026	04 Sep 2026	On-Campus	Lusaka, Zambia
31 Aug 2026	04 Sep 2026	On-Campus	London, UK
07 Sep 2026	11 Sep 2026	On-Campus	Mauritius
07 Sep 2026	11 Sep 2026	On-Campus	Pretoria, South Africa
07 Sep 2026	11 Sep 2026	On-Campus	Abu Dhabi, UAE
07 Sep 2026	11 Sep 2026	On-Campus	Harare, Zimbabwe

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0087) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
- 2. Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
- 3. Apply by phone or WhatsApp:** call +27 12 004 8389 or WhatsApp +27 65 077 6310 and we will prepare your quotation and reserve your seats.
- 4. Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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