

FLOWMETRIX SA – GRADUATE ENGINEERING INTERNSHIP PROGRAMME (1 YEAR)

Location: Head Office, Durban

Start Date: January 2026

Duration: 12 Months

Disciplines: Mechanical, Electrical, Electronic, Mechatronic, or Industrial Engineering

About Flowmetrix SA

Flowmetrix SA is a South African manufacturer specialising in electromagnetic flow meters, high-performance instrumentation, and industrial measurement systems for the water, mining, and process industries.

Our Graduate Engineering Internship Programme offers ambitious engineering graduates the opportunity to gain **hands-on experience** across the full spectrum of our operations — from **R&D and product development** to **manufacturing, testing, sales engineering**, and **real-world project work**.

Why Join Our Internship Programme?

This is not a typical internship.

You will be exposed to the **entire product lifecycle**, including:

Research & Development (R&D)

- Work alongside senior engineers and management
- Assist with prototype development
- Participate in testing, modelling, and optimisation

Manufacturing & Production

- Understand high-precision manufacturing processes
- Learn about production flow, quality control, calibration, and assembly

Instrumentation & Project Work

- Participate in real industrial projects
- Assist with installations, commissioning, and client support
- Exposure to instrumentation design principles and field applications

Sales Engineering & Technical Support

- Engage in specification work
- Understand customer requirements and application engineering
- Gain experience in industrial product documentation and data sheets

Programme Structure

Screening & Selection

All applicants will undergo:

- A short technical aptitude test
- A problem-solving/logic test
- A written communication skills assessment
- A formal oral interview

These tests help us understand your strengths and ensure you are placed into the right developmental stream.

Training & Mentorship

Interns benefit from:

- Structured technical training modules
- Weekly engineering mentorship sessions
- Exposure to multiple departments
- Continuous performance feedback

Candidate Requirements

Minimum Requirements

- Completed Bachelor's Degree or National Diploma in:
 - Mechanical Engineering
 - Electrical / Electronic Engineering
 - Mechatronics
 - Industrial Engineering
- Good academic performance
- Strong analytical and problem-solving ability
- Excellent communication skills (written and verbal)
- Demonstrated interest in instrumentation, manufacturing, or product development

Preferred Skills

- CAD modelling (SolidWorks/AutoCAD/Inventor)

- Programming or embedded systems interest
- Exposure to projects, final-year research, or design work
- Hands-on aptitude or workshop experience

Who Should Apply?

This internship is ideal for graduates who:

- Want real engineering experience (not coffee runs)
- Are eager to learn from a multidisciplinary technical team
- Have initiative and enjoy solving real engineering problems
- Are curious about how products are conceptualised, designed, built, and used in industry

What We Offer

- 12 months of high-quality engineering experience
- Mentorship by senior engineers and technical specialists
- Exposure to industrial R&D and manufacturing
- Stipend/remuneration based on qualification and performance
- Potential for permanent employment for strong performers

How to Apply

Send the following to leighann@flowmetrix.co.za:

- Your CV
- Academic transcript
- Short cover letter explaining why you want to join Flowmetrix

Subject line: *Graduate Engineering Internship Application – 2026 Intake*