

# COURSE BROCHURE

2026/2027



A World Class Specialized  
Skills Training Academy

## COURSE FLOW FOR UNQUALIFIED

# REFRIGERATION AND AIR CONDITIONING PATHWAY FOR ENTRY-LEVEL LEARNERS

## COURSE DETAILS

- ◆ **Duration:** 10 days (Monday to Friday) per course listed below
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 per course Incl. VAT per course listed below
- ◆ **Flexible Learning:** Training modules can be completed in sections and do not need to be undertaken consecutively.

## COURSE STRUCTURE:

- 1. Fundamentals of Refrigeration (10 Days)** – Introduction to refrigeration principles, heat transfer, and system operations.
- 2. Piping, Brazing, and Welding (10 Days)** – Techniques for joining and sealing refrigeration piping systems.
- 3. Safe Handling of Refrigerants (10 Days)** – Proper procedures for refrigerant management, safety regulations, and environmental considerations.
- 4. Electrical Systems – Level 1 (Air Conditioning & Refrigeration) (10 Days)** – Basic electrical concepts, wiring, and circuit analysis in refrigeration and air conditioning.
- 5. Commercial Air Conditioning: Installation, Servicing & Maintenance (10 Days)** – Practical training on large-scale air conditioning systems, troubleshooting, and maintenance.
- 6. Domestic Refrigerator Repair (10 Days)** – Diagnosis and repair of common faults in household refrigeration units.
- 7. Electrical Systems – Level 2 (Air Conditioning & Refrigeration)(10 Days)** – Intermediate electrical applications, including motor controls and fault diagnosis.
- 8. Electrical & Mechanical Controls in Air Conditioning & Refrigeration (10 Days)** – In-depth study of control mechanisms and system automation.
- 9. Electrical Systems – Level 3 (Air Conditioning & Refrigeration) (10 Days)** – Advanced electrical troubleshooting and integration with refrigeration systems.
- 10. Commissioning of Cold Rooms & Freezer Rooms (10 Days)** – Final system setup, testing, performance evaluation, and compliance with industry standards.

This structured program is designed to provide both theoretical knowledge and hands-on skills for individuals looking to enter or advance in the refrigeration and air conditioning industry.

# Short Courses





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## SHORT COURSES

# AIRCONDITIONING & REFRIGERATION FUNDAMENTALS & TECHNIQUES

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## ENTRY REQUIREMENTS:

- ◆ Grade 9 (preferably with **Mathematics** or **Mathematics Literature**):  
A certain level of education, specifically grade 9, and a background in mathematics is ideal.

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course provides learners with a comprehensive introduction to the fundamental principles and practical techniques used in air conditioning and refrigeration systems. The programme covers the basic concepts of thermodynamics, heat transfer, refrigeration cycles, and the operation of air conditioning and refrigeration equipment.

## SHORT COURSES

# PIPING INSTALLATION, BRAZING & WELDING PRACTICES

## ENTRY REQUIREMENTS:

- ◆ **Fundamentals of Refrigeration**
- ◆ **Safe handling of Gases**
- ◆ Grade 9 (preferably with **Mathematics** or **Mathematics** Literature):  
A certain level of education, specifically grade 9, and a background in mathematics is ideal.

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course is designed to provide learners with comprehensive knowledge of various types of pipes used in HVAC systems, along with their technical specifications, applications, and methods of joining.

The program will also delve into pipe insulation techniques, explaining the importance of insulation for HVAC efficiency and performance. This type of training would be valuable for those working in the installation, maintenance, or design of HVAC systems.

## SHORT COURSES

# COMMERCIAL AIR CONDITIONING SYSTEMS: INSTALLATION, SERVICE & MAINTENANCE

## ENTRY REQUIREMENTS:

- ◆ **Fundamentals of Refrigeration**
- ◆ Grade 9 (preferably with **Mathematics** or **Mathematics Literature**): A certain level of education, specifically grade 9, and a background in mathematics is ideal.
- ◆ **6 months experience** in HVAC & R field

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course provides a comprehensive overview of the essential skills needed for air conditioner installation and servicing. Learners will gain both theoretical knowledge and practical knowledge in various setups.

## SHORT COURSES

# ELECTRICAL AND MECHANICAL CONTROL MECHANISMS IN HVAC & REFRIGERATION

## ENTRY REQUIREMENTS:

- ◆ **Minimum 1 year HVAC Field experience** – Airconditioning & Refrigeration
- ◆ **Commercial Airconditioning Systems: Installation, Service & Maintenance - Small case**
- ◆ **Fundamentals of Refrigeration**

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course is designed to enhance the knowledge of HVAC technicians with limited experience in electrical and mechanical controls within the HVAC industry. Learners will be introduced to various types of parameter controls, along with their technical terminology.

The course will also cover the use of different testing tools and instruments, teaching students how to install, configure, diagnose, repair, and replace components to ensure the proper functioning of HVAC systems.

## SHORT COURSES

# ELECTRICAL FUNDAMENTALS IN AIR CONDITIONING & REFRIGERATION 1

## ENTRY REQUIREMENTS:

- ◆ **Airconditioning Installer,**
- ◆ **Fundamentals of Refrigeration**
- ◆ Grade 9 (preferably with **Mathematics** or **Mathematics Literature**):  
A certain level of education, specifically grade 9, and a background in mathematics is ideal.

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course provides a strong foundation for those entering the HVAC (Heating, Ventilation, and Air Conditioning) field, with a particular focus on electrical systems. By the end of the course, you will have a solid understanding of basic electrical concepts and the ability to troubleshoot and maintain key HVAC systems.

## SHORT COURSES

# ELECTRICAL FUNDAMENTALS IN AIR CONDITIONING & REFRIGERATION 2

## ENTRY REQUIREMENTS:

- ◆ **Fundamentals of Refrigeration**
- ◆ **Electricity 1**
- ◆ Grade 9 (preferably with **Mathematics** or **Mathematics Literature**):  
A certain level of education, specifically grade 9, and a background in mathematics is ideal.

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course provides a comprehensive understanding of constructing single-phase circuits, testing single-phase motors, and working with light commercial compressors. Learners will gain hands-on experience in building single-phase circuits, wiring panels for HVAC systems, and integrating associated controls.

## SHORT COURSES

# ELECTRICAL FUNDAMENTALS IN AIR CONDITIONING & REFRIGERATION 3

## ENTRY REQUIREMENTS:

- ◆ Electrical 1 & 2 in Airconditioning & Refrigeration
- ◆ Fundamentals of Refrigeration & Airconditioning

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course offers comprehensive training for HVAC professionals to understand and work with 3-phase electrical systems, specifically for commercial and industrial refrigeration and air-conditioning applications. This course blends practical hands-on skills with technical knowledge, making it an essential training program for professionals working with industrial HVAC systems.

## SHORT COURSES

# COLD ROOM & FREEZER ROOM SYSTEM COMMISSIONING

## ENTRY REQUIREMENTS:

- ◆ Fundamentals of Refrigeration & Domestic Fridge
- ◆ 12 months experience in HVAC & R Field

## COURSE DETAILS:

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 Incl. VAT

## COURSE DESCRIPTION & OUTCOME:

This course is intended for individuals with a basics understanding of both the theoretical and practical aspects of refrigeration and airconditioning. It covers essential topics such as pipework, installation components, accessories, and maintenance. Learners will learn servicing, fault diagnosis, repairs, and the commissioning of cold and freezer rooms. By the end of the course, learners will have the skills needed to efficiently operate and maintain refrigeration systems in real-world settings.

## SAFE HANDLING OF COURSES

# AUTHORIZED REFRIGERATION PRACTITIONER LICENSE

## ENTRY REQUIREMENTS:

- ◆ A **minimum 12 months work experience** in the Air Conditioning and Refrigeration industry, OR
- ◆ Completion of the **Fundamentals of Refrigeration & Air Conditioning Installer** course.

## COURSE DETAILS:

- ◆ **Duration:** 5 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R8,499.00 (Including VAT)
- ◆ **Additional Fees:** SARACCA registration fee of R2,530.00 (Including VAT), payable directly to SARACCA.

## COURSE DESCRIPTION & OUTCOME:

This course provides comprehensive training and assessment to ensure compliance with the legal requirements outlined in the Occupational Health and Safety (OHS) Act, specifically under the Pressure Equipment Regulations (Clause 17-18), as per Government Notice No. 85 of 1993 (July 2009).

Successful completion of this course is a legal requirement and qualifies individuals to register as an Authorized Person in the relevant categories with SAQCCG as (South African Qualification & Certification Committee for Gas).

## RENEWAL OF SAFE HANDLING OF GASES

# RENEWAL AUTHORIZED REFRIGERATION PRACTITIONER LICENSE

## ENTRY REQUIREMENTS:

- ◆ Valid SAQCCG as Safe handling License (Registration should not be expired for longer than **6 months from the date of expiry**)

## COURSE DETAILS:

- ◆ **Duration:** 2 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R3 469.00 (Including VAT)
- ◆ **Additional Fees:** SARACCA registration fee of R2,530.00 (Including VAT), payable directly to SARACCA

## COURSE DESCRIPTION & OUTCOME:

This training and assessment program is designed to ensure compliance with the legal requirements of the Occupational Health and Safety (OHS) Act, specifically the Pressure Equipment Regulations (Clause 17-18), as outlined in Government Notice No. 85 of 1993 (July 2009).

As a legally mandated course, successful completion enables individuals to register as an Authorized Person in the relevant categories with SAQCCG as (South African Qualification & Certification Committee for Gas).

**DOMESTIC FRIDGE REPAIRER**

# **DOMESTIC REFRIGERATOR SERVICE AND REPAIR SPECIALIST**

## **ENTRY REQUIREMENTS:**

- ◆ Completion of **Fundamentals of Refrigeration**
- ◆ **Safe Handling of Gases Certification**

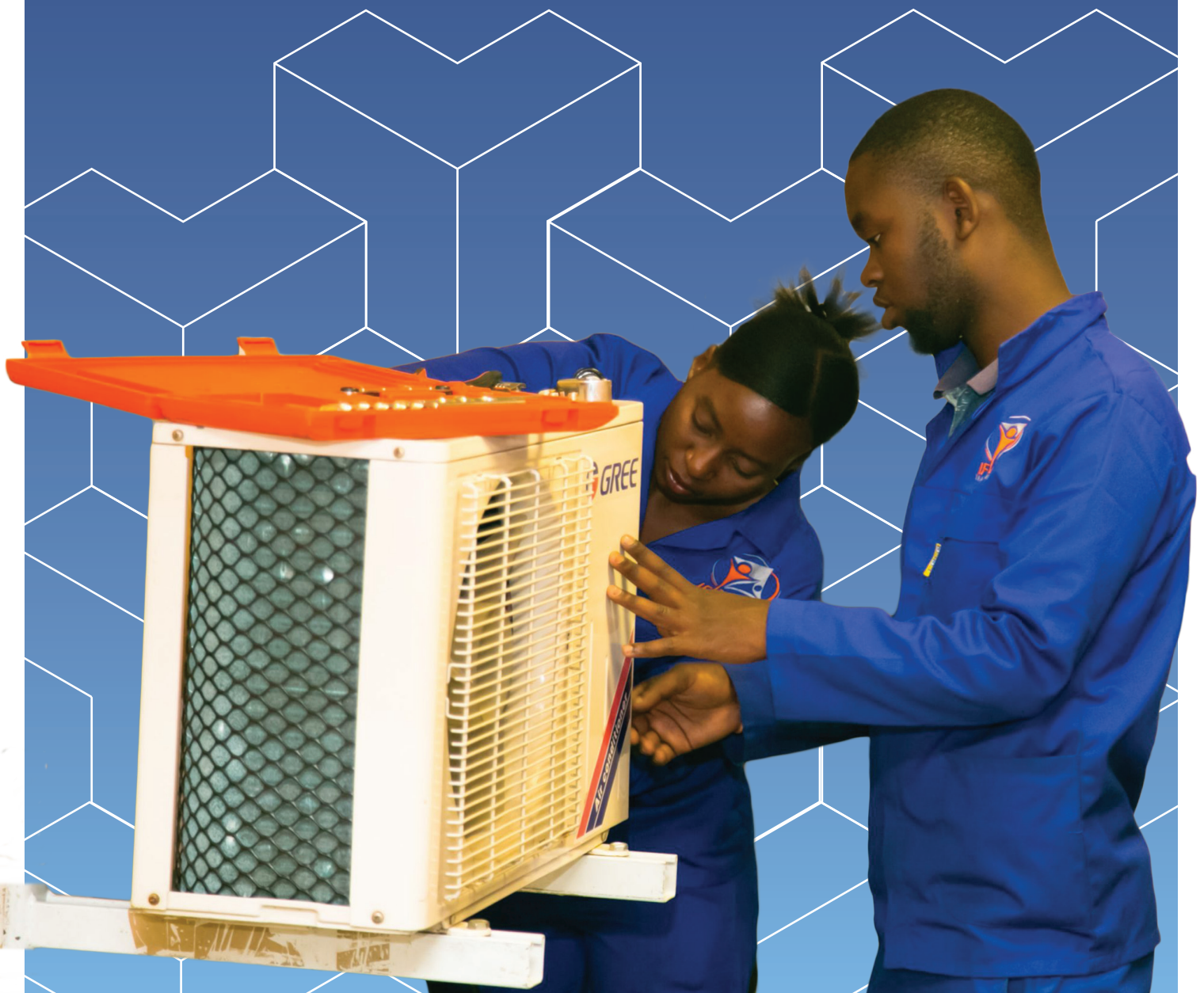
## **COURSE DETAILS:**

- ◆ **Duration:** 10 days (Monday to Friday)
- ◆ **Time:** 08:00am – 15:00pm
- ◆ **Cost:** R14,866.25 (Including VAT)

## **COURSE DESCRIPTION & OUTCOME:**

This comprehensive course is designed to equip learners with both the theoretical knowledge and practical skills required to effectively repair and maintain domestic refrigerators and freezers. Building on the basic principles of refrigeration, the course provides in-depth training on fault diagnosis, repair techniques, and maintenance of household refrigeration systems environment.

# Specialised Training



## LEGACY APPRENTICESHIPS

# Programme name: Occupational Certificate: Air Conditioning and Refrigeration Mechanic

## ENTRY REQUIREMENTS:

- ◆ Grade 9 with Mathematics or Mathematics Literature

## COURSE DETAILS:

- ◆ **Duration:** 4 years
- ◆ **Cost:** Price Available on Request

## COURSE DESCRIPTION & OUTCOME:

The purpose of this qualification is to prepare a learner to operate as an Air Conditioning and Refrigeration Mechanic and is equivalent to NQF level 4. The Occupational Certificate in Airconditioning & Refrigeration is designed to equip learners with the knowledge, practical skills, and workplace experience required to install, commission, maintain, fault-find, and repair air-conditioning and refrigeration systems in residential, commercial, and industrial environments.

The qualification combines theoretical instruction, simulated practical training, and structured workplace learning, ensuring learners are competent to operate in compliance with industry standards, safety regulations, environmental legislation, and occupational health requirements.

Graduates of this programme are prepared to work as qualified Airconditioning and Refrigeration Mechanics/Technicians within the HVAC industry and related sectors.

A qualified learner will be able to:

- ◆ Install air conditioning refrigeration and ventilation systems.
- ◆ Commission air conditioning refrigeration and ventilation systems.
- ◆ Maintain, service, troubleshoot and repair air conditioning refrigeration and ventilation systems.

## LEGACY APPRENTICESHIPS

# TRADE PREPARATION & TESTING - REFRIGERATION MECHANIC (INDUSTRIAL / COMMERCIAL)

## ENTRY REQUIREMENTS:

- ◆ **Minimum 4 years working experience** on Airconditioning and Refrigeration field
- ◆ **Certified Id copy/ Passport and Work permit**
- ◆ **Certified Reference/ Service letters** from your current or previous employer
- ◆ **Certified copies of qualifications** in Air-conditioning & Refrigeration if you have any (Foreign Qualifications must be evaluated at SAQA)
- ◆ **Certified Grade 12 certificate/Certified Report** of Highest grade passed(Foreign School report to be evaluated at SAQA)

## COURSE DETAILS:

- ◆ **Duration:** 5 - 10 days (Monday - Friday)
- ◆ **Time:** 08:00am - 15:00pm
- ◆ **Cost:** R1,500.00 incl. vat per day depending on duration

## COURSE DESCRIPTION & OUTCOME:

The Trade Testing for Refrigeration Mechanic (Industrial/Commercial) course is designed to assess and certify individuals' skills and knowledge in the refrigeration and air-conditioning trade. It emphasizes the technical and practical aspects of industrial and commercial refrigeration systems, ensuring candidates meet industry standards. This course thoroughly prepares participants for the trade test, equipping them with the expertise needed to excel in the refrigeration and air-conditioning field.

This course is designed to prepare individuals for the trade testing process. Applications for trade testing can be submitted to Ifihlile Trading Academy, and test dates will be provided upon receiving the official assessment schedule from Seta. Final test dates will be confirmed between 10 days before the scheduled Trade Test Assessment. The preparation period will vary depending on the candidate's prior knowledge and experience.

**SPECIALISED TRAINING**

# REFRIGERATION MECHANIC (INDUSTRIAL & COMMERCIAL)

## ENTRY REQUIREMENTS:

- ◆ Approval from **Seta - Serial Number**

## COURSE DETAILS:

- ◆ **Duration:** 2 days Monday & Tuesday / Wednesday & Thursday
- ◆ **Time:** 08:00am – 15:30pm
- ◆ **Cost:** R4,922.50 incl. VAT

## COURSE DESCRIPTION & OUTCOME:

Ifihlile Training Academy is an accredited Decentralized Trade Test Centre, recognised by DHET, QCTQ, NAMB, AND MERSeta for National Certification. Trade test applications can be submitted at the Academy or requested via email at [info@ifihlile.co.za](mailto:info@ifihlile.co.za). Test Dates are scheduled by MERSeta.

# Class Information & Student Guidelines

## 1. REGISTRATION & STUDENT INQUIRIES

For all registration processes and inquiries, students are encouraged to contact the administration office for assistance.

## 2. REQUIRED ITEMS

Students must bring the following essential items to ensure a smooth and productive learning experience:

### a) Personal Protective Equipment (PPE)

- ◆ **Mandatory Items:** Safety shoes, overalls, gloves, and a face mask.
- ◆ **Workshop Entry:** Entry into the workshop is strictly prohibited without safety shoes and a face mask.

### b) Stationery & Learning Materials

- ◆ Students must bring their own stationery, which includes:
- ◆ Pens and pencils
- ◆ Ruler and eraser
- ◆ Highlighters
- ◆ Notebook

### c) Identification & Attire

- ◆ A copy of the student's ID must be provided for verification purposes.
- ◆ Proper attire for practical training is required, preferably PPE for safety and compliance.

## STUDENT INFORMATION

# Class Information & Student Guidelines

## 3. CLASS SCHEDULE & BREAKS

### Monday – Thursday:

- ◆ **Training Starts:** 08:00 AM
- ◆ **Training Ends:** 03:00 PM
- ◆ **Lunch Break:** 12:00 PM – 12:30 PM

### Friday:

- ◆ **Training Starts:** 08:00 AM
- ◆ **Training Ends:** 02:00 PM

## 4. CLASSROOM CONDUCT & RESTRICTIONS

- ◆ **Cellphone Usage:** The use of cellphones during class sessions is strictly prohibited to maintain focus and discipline.

## 5. PARKING INFORMATION

- ◆ **Availability:** Secure on-site parking is provided on a first-come, first-served basis.

For further details or assistance, please reach out to the administration office.

## STUDENT INFORMATION

# Registration & Enquiries

To enroll in a course at Ifihlile Training Academy, please follow the registration process outlined below:

### 1. Complete the Registration Form:

- ◆ Download and fill out the 2026 Registration Form (available on our website).
- ◆ Ensure all required fields are accurately completed.

### 2. Submit Required Documents:

- ◆ Email the completed registration form to [info@ifihlile.co.za](mailto:info@ifihlile.co.za).
- ◆ Attach a copy of your ID for verification purposes.
- ◆ Include proof of payment to finalize your registration.

### 3. Confirmation & Assistance:

- ◆ Once your documents are received, our admissions team will process your application and provide confirmation.
- ◆ If you require any further information or assistance, please reach out to us through the contact details below.

## CONTACT INFORMATION

- ◆ Ifihlile Training Academy
- ◆ **Email:** [info@ifihlile.co.za](mailto:info@ifihlile.co.za)
- ◆ **Telephone:** [010 615 0982](tel:0106150982)
- ◆ **Physical Address:** 557, 15th Road, Randjespark, Midrand, 1685
- ◆ **Website:** [www.ifihlile.co.za](http://www.ifihlile.co.za)

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