TRAINING OVERVIEW

The Academy has the resources to train all aspects of the Air conditioning and refrigeration fields up to NQF Level 4 and Trade Test. The emphasis is in the training of apprentices / learnerships, artisans and technicians as well as aspects for management requiring technical knowledge. The training is specialised to the fields of air conditioning, refrigeration and ventilation. The training is competency based, meaning, any student attending a course is given an in-depth theoretical knowledge and the practical skills in order to achieve competency in the workplace. Given the nature of the training required all courses have a full practical element. The aim of all the training is such that on successful completion of any particular course the student will be capable to do the job as required.

HISTORY

ACRA’s roots date back to 1960 and in its current form ACRA opened its doors in August 1998, thus opening the doors of the Air Conditioning and Refrigeration Academy. Our Lecturers have trained students from the entire industry and have achieved international status training people from several of the southern African countries and as far afield as Australia and Canada. The ACADEMY became an accredited NAMB/QCTO Decentralised Trade Testing Centre in 2003.
The ACRA Diploma

Air Conditioning and Refrigeration Technology 1 Course - Basic/Intermediate (10 Days)
Electrical 1 Course (pertaining to Air Conditioning and Refrigeration) - Basic/Intermediate (10 Days)
Installation, Fault Finding, Maintain & Repair of Split, Console and Window Units Course - (5 days)
Air Conditioning and Refrigeration Technology 2 Course - Intermediate (10 Days)
Electrical 2 Course (pertaining to Air Conditioning and Refrigeration) - Intermediate (10 Days)
Authorised Refrigeration Practitioner Course - Safe Handling License (5 days)
Electrical 3 Course (pertaining to Air Conditioning and Refrigeration) - Intermediate/Advanced (10 Days)
Air Conditioning and Refrigeration Technology 3 Course - Intermediate/Advanced (10 Days)
Air Conditioning And Refrigeration Technology 4 Course - Diploma Section (10 Days)

Other Courses

Top-Up/Renewal Authorised Refrigeration Practitioner Course - Safe Handling License Renewal (2 days)
Welding, Brazing & Cutting (5 Days)

Trade Testing - Refrigeration Mechanic (JHB only)

Trade Test Preparation (from 5 - 10 Days)
Trade Test Test (2 Days)

Apprenticeships & Learnerships

Apprenticeship - Refrigeration Mechanic (Industrial/Commercial) - Duration: min. 80 weeks - max. 4 years
Learnerships - Air Conditioning, Refrigeration & Ventilation NQF Levels 2, 3 and 4 - Duration: 12 months per level

The Diploma Explained:
The Diploma encompasses most of the training that an Air Conditioning and Refrigeration Technician needs to be competent.

Course Objectives, Outcomes, Prices and Dates are outlined individually from page 5 onwards.

The Diploma consists of the following courses:
It is not necessary to complete all the courses at once, training can be broken up into sections.
(The courses should be completed in sequence)

Diploma Dates 2019

[Diagram showing the flow of courses from Technology 1 to Technology Four (Diploma Section)]
**Course Name**  
Authorised Refrigeration Practitioner License (Safe Handling of Refrigerants)

**Entry Requirements**  
Basic Literacy and Numeracy (Technology 1 is advisable)

**Duration**  
5 days

**Cost**  
R 6391.30 excl. vat  
**R 7350.00 incl. vat**

**NQF Level**  
Level 3

**Module Codes**  
SF1, SF2, SF5

**Excludes**  
Saracca Reg. fee of R 2 392.00 incl. vat payable directly towards SARACCA

On successful completion of the course the candidate have to apply for the License Card via SARACCA

2 colour id photos, certified copy of id, certified copy of Acra Certificate and Trade Test Certificate

(if applicable) should be attached to the application / emailed to SARACCA. Candidates who apply for the license card will also be registered on the website www.saqccgas.co.za

**Unit Standards**  
116223, 116334, 116355, 116700, 116468

**Module Codes**  
SF1, SF2, SF5, COD1

**Objectives**  

**Outcomes**  
This course, required by law enables persons to register as an authorised person in the relevant categories with SARACCA.

**Example of Skills**  
The candidate will understand the Safety and Legal aspects with regards to the Pressure Vessel Regulation.

**Available Dates**  
11 February - 15 February 2019  
13 May - 17 May 2019  
12 August - 16 August 2019  
11 November - 15 November 2019

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**Course Name**  
Top-Up / Renewal Authorised Refrigeration Practitioner (Safe Handling of Refr)

**Entry Requirements**  
valid or expired Acricsa/Saracca Safe Handling License incl. Basic Literacy and Numeracy

**Duration**  
2 days

**Cost**  
R 2556.52 excl. vat  
**R 2940.00 incl. vat**

**NQF Level**  
Level 3

**Module Codes**  
SF1, SF2, SF5

**Excludes**  
Saracca Reg. fee of R 2 392.00 incl. vat payable directly towards SARACCA

On successful completion of the course the candidate have to apply for the License Card via SARACCA

2 colour id photos, certified copy of id, certified copy of Acra Certificate and Trade Test Certificate

(if applicable) should be attached to the application / emailed to SARACCA. Candidates who apply for the license card will also be registered on the website www.saqccgas.co.za

**Unit Standards**  
116223 & 116334

**Objectives**  

**Outcomes**  
This course, required by law enables persons to register as an authorised person in the relevant categories with SARACCA.

**Example of Skills**  
The candidate will understand the Safety and Legal aspects with regards to the Pressure Vessel Regulation.

**Available Dates**  
11 February - 12 February 2019  
13 May - 14 May 2019  
12 August - 13 August 2019  
11 November - 12 November 2019
CLASS TIMES AND INFORMATION

**Mondays - Thursday:**
- Training Start: 08:00 am
- Training Ends: 03:00 pm
- Lunch Time: 12:00 pm
- Lunchtime Ends: 12:45 pm
- Study Time Start: 03:00 pm
- Study Time Ends: 04:00 pm

**Fridays:**
- Training Start: 08:00 am
- Training Ends: 13:00 pm

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**Tea Breaks**

Tea & Coffee is included and will be served at the following times:
- Morning - 7:30am to 8:00am
- Tea Break - 10:00am to 10:30am
- Lunch Time - 12:00pm to 1:00pm
- Tea Break - 3:00pm to 3:30pm

(Cold drinks are available at Tuck Shop)

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**What to Bring**

- SAFETY SHOES - no students will be allowed in the workshop without safety shoes
- Stationary - pen, pencil, ruler, eraser, highlighters, note pad and **calculator**
- **NO CELLPHONES ALLOWED DURING CLASS**
- ID / copy of ID & Suitable clothing for practical training

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**Bookings**

See attached 2019 Enrollment form - please complete the form and return via email to zreineke@tiscali.co.za

Also send a copy of id and proof of 50% Deposit paid

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**ACCREDITATION**

The Academy carries FULL ACCREDITATION (merSETA) for the training of apprenticeships, learnerships and training courses in air conditioning and refrigeration levels 2 through to 4, as well as QCTO (Quality Council for Trades & Occupations), NAMB (National Artisan Moderation Body) and DHET (Department of Higher Education and Training) Decentralised Assessment Centre status for Trade Testing and licensing for Safe Handling of Refrigerants for the South African Refrigeration and Air Conditioning Contractors Association (SARACCA). All courses are therefore recognised and are nationally and internationally certificated and/or licensed or carry a Diploma.

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**INDUSTRY INVOLVEMENT**

ACRA and ACRA's staff are heavily involved in industry at various levels. Mr. Laidlaw is the current SAIRAC (South African Institute for Refrigeration and Air Conditioning) President. Mr. Laidlaw has been appointed to represent NAMB as an expert practitioner for the development of trade qualifications and trade testing. Mr. Laidlaw has published many articles in trade magazines and is a permanent contributor for the RACA Magazine and serves on the Advisory Committee. Furthermore Mr. Laidlaw is a registered DOL/SAQCC Gas Inspector.

Mr. Charel Marais is a Committee Member of SAIRAC Johannesburg, has written several articles in the trade magazines and is a registered DOL/SAQCC Gas Inspector.

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**ACRA's TRAINING PARTNERS**

It is ACRA's policy to involve industry role players as training partners ultimately this results in ACRA's training being cutting edge and in line with the latest trends in industry. Our partners introduce the latest technologies and equipment to the training centre. Their assistance with equipment keeps our training costs manageable and our courseware up to date. Our current training partners include:

- Testo South Africa (Pty) Ltd
- A-Gas (South Africa) (Pty) Ltd
- Unicore Marketing Services Africa (Pty) Ltd
- Direct Digital Control Services / Innotech
- Belimo
- Seeley International / Breezair
- Quickpro Pipes
- Whirlpool
- Shamus Rennie
- Full Gauge Controls
- Evapco
- Samsung
- Victaulic
- GEA
- Copper Development Association Africa
THE ACRA TEAM (JOHANNESBURG)

Assessors/Moderators/Lecturers/Trade Test Officers:
- Grant Laidlaw  CEO / Lecturer / Assessor / Moderator / Trade Test Officer
- Harry Hanekamp   Lecturer / Assessor / Moderator / Trade Test Officer
- Stewart Laidlaw  Lecturer / Assessor / Trade Test Officer
- Koos Pieterse    Lecturer / Assessor / Trade Test Officer
- Charel Marais   Lecturer / Assessor
- Chris Coetzee    Lecturer / Assessor
- Roeloff Vorster  Lecturer
- Emor Potgieter  Lecturer

Marketing & Sales:
- Claudine Laidlaw   Project Manager

Admin, Bookings & Accounts:
- Anria Pieterse Admin Manager / SDF / Accounts & Trade Test Queries
- Aannelize Grobbelaar Office Administrator / Bookings
- Alicia Leary    Reception / Bookings
- Sifiso Mpala   Office & Kitchen Assistant

THE ACRA TEAM (KZN)

Assessors:
- Cyril Macquet-Maurel   Assessor

Admin, Bookings & Accounts:
- Claudia Lee Admin / Bookings / Accounts

THE ACRA TEAM (Kimberley)

Zack / Frances Admin / Bookings / Accounts