



2nd part (refrigeration and electrical): Maintenance Technician

Course	Content	Own Date
R1A 1 week	<ul style="list-style-type: none"> foundations of thermodynamic and mechanic converting of formulas 	
R 1B 1 week	<ul style="list-style-type: none"> physical basics of the refrigeration cycle foundations of off the log p, h diagram the single stage refrigeration cycle reading and connecting of service gauges practical measurements on refrigeration plants 	
ELC 1 1 week	<ul style="list-style-type: none"> foundations of electrical direct current series and parallel connection 	
AC-Service 1 week	<ul style="list-style-type: none"> dismantle and assemble AC equipment. use and maintain service tools and instruments. elementary air-flow measurements and calculations drawings and sketches 	
SH-R 1 week	<ul style="list-style-type: none"> Authorized Practitioner training includes practical demonstration and hands on, using a reclaim unit and vacuum pump. All the Unit Standards to obtain the level 3 for Refrigeration SAQCC Gas. After successfully completion thereof they can apply for the SAQCC Gas Registration. 	
Plant building 1B 1 week	<ul style="list-style-type: none"> building and commissioning of a refrigeration plant with pre-wired panel pressure test, evacuating. writing of logbooks fault finding on refrigeration plants 	
Refrigeration Maintenance Technician Test 1 Week	<ul style="list-style-type: none"> building and commissioning of a refrigeration plant with pre-wired panel 	
<p>Quoted prices include: Work Sheets, Material, Lunch, Tea, Coffee. Pass mark per course 60%, Pass mark for all OTTC-Diploma test's 75% theoretical and practical. --Prerequisites: basic literacy + numeracy -- Courses are presented in English. Courses can be split in a week-to-week basis</p> <p>PRACTICAL DONE IN WORKSHOPS ON FULL SIZED PLANTS</p>		



OTTC Program Definition

1. OTTC Try a Trade

2 weeks free training for school-leavers to get motivated working as an artisan.

2. OTTC Refrigeration & Air-conditioning for Beginners

The program is designed for the first-year apprentice ship
The outcome is a perfect assistance working efficiently with the Technician and is an asset to be employed.

3. OTTC Maintenance Program

Is a program to assist the technician. Understanding the refrigeration cycle, electrical components and air conditioning window and split units.
Taking records of performance on.
Can do maintenance procedures on plants.

4. OTTC Practical Diploma

Precondition:
OTTC Beginners Program for Refrigeration & AC or equivalent to prior learning.
For the perfect Technician for commercial refrigeration to do:
New installations on cold rooms and refrigeration plants
Servicing and maintenance, repair, fault-finding, improvements for energy savings.
Still working under supervision.
Including all requirements to do a trade test on international levels.

5. OTTC Technical Diploma

Preconditioning:
OTTC Practical Diploma, or equivalent.
For the supervisors, plant operators and plant designer.

Including commercial and industrial refrigeration, secondary cooling and CO2 plants for Supermarkets and Cold Stores non-Ammonia Plants.

6. OTTC Air-Conditioning Diploma

Specialized program for technician and supervisor and designer working in the Air-Conditioning Industry for heating and cooling on central Air-conditioning plants.