



Course	Content	Own Dates
Refrigeration 6A	<ul style="list-style-type: none"> • calculation of the heat load of a cold room • establishing the operating conditions in the refrigeration system • calculation of the refrigeration system by the log p, h diagram and the property tables 	
Refrigeration 6B	<ul style="list-style-type: none"> • sizing of components (compressor, heat exchangers, pipes, etc.) 	
Refrigeration 6C	<ul style="list-style-type: none"> • sizing of components (compressor, heat exchangers, pipes, etc.) • calculation of the amount of refrigerant loss on a leak 	
Electrical Control 6A	<ul style="list-style-type: none"> • designing of electrical components and wires 	
Electrical Control 6B	<ul style="list-style-type: none"> • designing of electrical components and wires 	
Refrigeration 7	<ul style="list-style-type: none"> • rules and laws about refrigeration systems 	
Electrical Control 7	<ul style="list-style-type: none"> • rules and laws about electrical systems 	
Secondary cooling 2	<ul style="list-style-type: none"> • designing of hydraulic systems • sizing of pumps 	
CO ₂ 2	<ul style="list-style-type: none"> • designing of subcritical and trans critical CO₂ plants 	
Technical drawing 5	<ul style="list-style-type: none"> • drawing flowcharts and electrical schematics of the technical diploma project • designing of the diploma project 	
Plant building 6	<ul style="list-style-type: none"> • building and commissioning of a refrigeration plant to prepare the technical diploma • writing of logbooks • fault finding on refrigeration plants 	
Technical Diploma	<ul style="list-style-type: none"> • building and commissioning of a refrigeration plant including of a theoretical and a practical test 	
<p>Quoted prices includes: Work Sheets, Material, Lunch, Tea, Coffee. Pass mark per course 60%, Pass mark for AC-Diploma test 75% theoretical and practical. --Prerequisites: basic literacy + numeracy -- Courses are presented in English.</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 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.

4. 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.

5. 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.