



OTTC Technical Diploma New German Pilot Program 2020/21



Course	Content	Dates
R 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	
R 6B	<ul style="list-style-type: none">• sizing of components (compressor, heat exchangers, pipes, etc.)	
R 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	
ELC 6A	<ul style="list-style-type: none">• designing of electrical components and wires	
ELC 6B	<ul style="list-style-type: none">• designing of electrical components and wires	
R 7	<ul style="list-style-type: none">• rules and laws about refrigeration systems	
ELC 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 transcritical CO₂ plants	
Technical drawing 4	<ul style="list-style-type: none">• drawing flowcharts and electrical schematics of refrigeration systems	
Plant building 5	<ul style="list-style-type: none">• writing of logbooks• building and commissioning of a refrigeration plant to prepare the technical diploma• 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	

Duration of each course 1 week. Cost per week R 7,500.00 + 15 % VAT

5th educational year: 12 week's R 90,000.00 excl. VAT Technical Diploma Program

Quoted prices includes: training work-books, material, lunch, tea, coffee

Pass mark per course 60 %, pass mark for theoretical and practical Diploma test 75 %

Pre requisites: basic literacy and numeracy, courses are presented in English

All OTTC Courses are Unit Standard aligned

Assessments for NQF Learnership Qualifications and / or Trade Test testing can be arranged

Select your own course dates from OTTC programme. Preferred duration: spread over 1 year

23.09.2020

Open Trade Training Centre

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