



Rev. No. Set 008 10-Jul-19

OTTC – AC and Refrigeration for Beginners 2019 Winter Special

PRICE PER WEEK / PER COURSE 4500.00 + VAT

OTTC Director: Mrs. Isolde Döbelin		Tel. No.: 011-816-2580	Fax No.: 011-366-1219	Web www.ottc-training.center	Email: info@ottc.co.za	
Client:				Tel: No:	E-mail:	
				Cell No		
Contact:				Learner:	E-mail:	
Address:				Cell. No		
Module	Course	Content / Objective	Duration	SA Unit Standards NQF 2 Learner ship	SA Logbook Apprenticeship First Year	Dates
		1 st Year OTTC Apprenticeship				
1	Met-B - 1a, 1b, 2, 3, 4	Health and safety, practical tool skills, measuring, Production processes: moulding, forming, separating, adding Foundation of mathematics, SI units. Reading and drawing of technical drawings, fits, waves, bearings. Practical production: cutting, filling, drilling, threading, rivet, etc. Welding, arc welding, manufacturing frames, channel-systems	5 weeks (33 Credits)	9009, 7480, 9008, 12444, 9007, 13202, 9010, 14106, 9013, 7455, 9016, 116234, 116335, 116241, 116245, 116696	TT1, TT2, SF1, SF2, SF3, SF4, SF5, HT1, HT2, HT3, HT4, WT1, WT2, WT3, WT39, WT20, WT22, MA1, MA2, MA3, MA5, MA16, MA17, MO1, MT9, HS1, HS2, HS3, HS4, HS5, HS7, HS8, AO1, AO2, AO3, AO4, GW10, GW11, GC1, GC3, DS1, DS2, DSE4, DSE5, DSE8	29 Jul to 29 Aug 2019 30 Oct to 01 Nov 2019
2	RPI - 1, 2, 3, Plant building 1	Theory and practice about copper pipe work: cutting, deburring, bending brazing (with soft solder, hart solder, silver solder), flaring, bracket building and insulation. Practical Test about Met-B and RPI courses: Building of a refrigeration plant incl. pressure test.	4 weeks (27 Credits)	116230, 116229, 116712, 116707	GW10, GW11, GW12, GW13, GC1, GC2, GC3, DS2, DS3 , INS2, PF1, PF2, INS1, PF3	02 Aug to 27 Sept 2019 14 Oct to 08 Nov 2019
3	PR - 1 PR - 2	Mechanical principles of refrigeration cycle and components, placement of components, functions of components, practical safe handling of refrigerant demonstration	2 weeks (57 Credits)		FN1, REF9, REF10, REF11, REF17, REF18, REF20, ACS1, EV1, LU7, TA1,	08 Jul to 19 Jul 2019 30 Sept to 11 Oct 2019 11 Nov to 22 Nov 2019
4	ELC - 1, 2	Physical electricity basics in refrigeration, single and three phase systems, single and three phase motors, starters, pressure and temperature controllers, wiring diagrams for electromechanical controlling, plant protection, motor managements, suction control, defrost control. Electronic motor management, electronic cold room controllers	2 weeks (60 Credits)	116243, 116463 116466	FA3, FA4, FA5, FA6, FA7, FA8, DSE1, DSE3, DSE4, ET1, AC5, AC6, AC7, CA1, CA2, CA4, TT2	22 Jul to 26 Jul 2019 11 Nov to 22 Nov 2019
5	AC – Serv.	Dismantle & assemble AC&R equipment, remove, install and service bearings, use, maintain service tools and instruments, elementary air-flow measurements & calculations, Drawings and sketches	1 week	116710, 116238, 116701	DSE2, DSE15, DSE17	14 Oct to 11 Oct 2019 25 Nov to 29 Nov 2019
OTTC WINTER SPECIAL -- FOR BEGINNERS -- FROM 27-05 TO 31-08-2019						
PRICE PER WEEK / PER COURSE 4500.00 + VAT						
PAYMENT CAN BE DONE PER WEEK PER BOOKING – MUST BE PAID BEFORE COURSE STARTS						
Quoted price includes: Work Sheets, Material, Lunch, Tea, Coffee. Pass mark per course 60%. Pass mark for Diploma test 75% theoretical and practical. --Prerequisites: basic literacy + numeracy. -- Courses are presented in English. All OTTC Courses are Unit Standard aligned and include Logbook criteria. Select your own Course Dates from OTTC Programme.					14 weeks	
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