

KELLOGG COMMUNITY COLLEGE

SPRING 2021

INDUSTRIAL HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION

All costs are subject to change without notice. Please call 269-965-4137 to verify.

Please note: Some modules have online availability. Please ask for more information.

Module Subject Code and Number	Module Title	Credit	Contact Hours	Lab Fees	Tuition	Total Cost
<input type="checkbox"/> INHR C910-01	HVAC-R ORIENTATION		2	0.00	0.00	0.00
The orientation must be completed at the RMTC in Battle Creek prior to registration. Please call 269.965.4137 to verify available orientation times.						
UNIT 05 REFRIGERATION TOOLS/PLANT SAFETY						
<input type="checkbox"/> INHR 05011-01	HVAC-R SAFETY	0.83	20	41.00	209.99	250.99
<input type="checkbox"/> INHR 05021-01	HVAC-R TOOLS	0.08	2	31.00	19.20	51.24
UNIT TOTAL		0.91	22	72.00	230.23	302.23
UNIT 10 REFRIGERATION FUNDAMENTALS						
<input type="checkbox"/> INHR 10011-01	INTRODUCTION TO HVAC-R	0.33	8	55.00	83.49	138.49
<input type="checkbox"/> INHR 10021-01	TRADE MATHEMATICS	0.42	10	16.00	106.26	122.26
<input type="checkbox"/> INHR 10031-01	COPPER PLASTIC PIPING PRACTICE	0.21	5	26.00	53.13	79.13
<input type="checkbox"/> INHR 10041-01	SOLDERING AND BRAZING	0.33	8	44.00	83.49	127.49
<input type="checkbox"/> INHR 10051-01	FERROUS METAL PIPING PRACTICES	0.63	15	31.00	159.39	190.39
UNIT TOTAL		1.92	46	172.00	485.76	657.76
UNIT 15 REFRIGERATION SYSTEMS & COMPONENTS						
<input type="checkbox"/> INHR 15011-01	INTRODUCTION TO COOLING	1.25	30	16.00	316.25	332.25
<input type="checkbox"/> INHR 15021-01	COMPRESSORS	0.63	15	23.00	159.39	182.39
<input type="checkbox"/> INHR 15031-01	REFRIGERANTS AND OILS	0.42	10	24.00	106.26	130.26
<input type="checkbox"/> INHR 15041-01	METERING DEVICES	0.33	8	16.00	83.49	99.49
<input type="checkbox"/> INHR 15051-01	LEAK EVAC RECOVERY CHARGING	0.83	20	71.00	209.99	280.99
<input type="checkbox"/> INHR 15061-01	TROUBLESHOOTING COOLING	0.83	20	27.00	209.99	236.99
<input type="checkbox"/> INHR 15071-01	RETAIL REFRIGERATION SYSTEMS	0.83	20	31.00	209.99	240.99
<input type="checkbox"/> INHR 15081-01	COMMERCIAL INDUSTRIAL REFRIG	1.00	24	18.00	253.00	271.00
UNIT TOTAL		6.12	147	226.00	1548.36	1774.36
<input type="checkbox"/> *INHR C410-01	EPA CERTIFICATION		3	90.00	0.00	90.00
(STUDENT MUST ARRANGE DATE/TIME WITH INSTRUCTOR.)						
UNIT 20 HEATING SYSTEMS & TROUBLESHOOTING						
<input type="checkbox"/> INHR 20011-01	INTRODUCTION TO HEATING	0.63	15	21.00	159.39	180.39
<input type="checkbox"/> INHR 20021-01	TROUBLESHOOTING GAS HEATING	0.54	13	24.00	136.62	160.62
<input type="checkbox"/> INHR 20031-01	TROUBLESHOOTING OIL HEAT SYS	0.42	10	21.00	106.26	127.26
<input type="checkbox"/> INHR 20041-01	CHIMNEYS, VENTS AND FLUES	0.21	5	16.00	53.13	69.13
<input type="checkbox"/> INHR 20051-01	TROUBLESHOOTING ACCESSORIES	0.42	10	21.00	106.26	127.26
UNIT TOTAL		2.22	53	103.00	561.66	664.66
UNIT 25 HYDRONIC SYSTEMS						
<input type="checkbox"/> INHR 25011-01	INTRODUCTION HYDRONIC SYSTEMS	0.42	10	16.00	106.26	122.26
<input type="checkbox"/> INHR 25021-01	COMMERCIAL HYDRONIC SYSTEMS	0.54	13	16.00	136.62	152.62
UNIT TOTAL		0.96	23	32.00	242.88	274.88

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UNIT 30 STEAM SYSTEMS						
<input type="checkbox"/> INHR 30011-01	STEAM SYSTEMS	0.63	15	24.00	159.39	183.39
UNIT TOTAL		0.63	15	24.00	159.39	183.39
UNIT 35 HEAT PUMPS & TROUBLESHOOTING						
<input type="checkbox"/> INHR 35011-01	HEAT PUMPS	0.83	20	16.00	209.99	225.99
<input type="checkbox"/> INHR 35021-01	TROUBLESHOOTING HEAT PUMPS	0.54	13	19.00	136.62	155.62
UNIT TOTAL		1.37	33	35.00	346.61	381.61
UNIT 40 AIR DISTRIBUTION & INDOOR AIR QUALITY						
<input type="checkbox"/> INHR 40011-01	INDOOR AIR QUALITY	0.63	15	23.00	159.39	182.39
<input type="checkbox"/> INHR 40021-01	AIR DISTRIBUTION SYSTEMS	0.63	15	19.00	159.39	178.39
<input type="checkbox"/> INHR 40031-01	COMMERCIAL AIRSIDE SYSTEMS	0.54	13	23.00	136.62	159.62
<input type="checkbox"/> INHR 40041-01	AIR QUALITY EQUIPMENT	0.33	8	16.00	83.49	99.49
<input type="checkbox"/> INHR 40051-01	SYSTEM BALANCING	0.83	20	23.00	209.99	232.99
UNIT TOTAL		2.96	71	104.00	748.88	852.88
UNIT 45 HVAC-R AUTOMATION CONTROLS						
<input type="checkbox"/> INHR 45011-01	DIGITAL CONTROLS HVAC TECHS	0.21	5	91.00	53.13	144.13
<input type="checkbox"/> INHR 45021-01	BUILDING MANAGEMENT SYSTEMS	0.75	18	16.00	189.75	205.75
UNIT TOTAL		0.96	23	107.00	242.88	349.88
UNIT 50 HVAC-R DUCT SYSTEMS						
<input type="checkbox"/> INHR 50011-01	SHEET METAL DUCT SYSTEMS	0.42	10	31.00	106.26	137.26
<input type="checkbox"/> INHR 50021-01	FIBERGLASS FLEXIBLE DUCT SYS	0.21	5	16.00	53.13	69.13
UNIT TOTAL		0.63	15	47.00	159.39	206.39
UNIT 55 HVAC-R PREVENTATIVE MAINTENANCE						
<input type="checkbox"/> INHR 55011-01	INSTALLATION AND MAINTENANCE	0.92	22	16.00	232.76	248.76
<input type="checkbox"/> INHR 55021-01	PLANNED MAINTENANCE	0.83	20	29.00	209.99	238.99
<input type="checkbox"/> INHR 55031-01	CONSTRUCTION DRAWINGS SPECIFI	1.04	25	18.00	263.12	281.12
UNIT TOTAL		2.79	67	63.00	705.87	768.87
UNIT 60 HVAC-R COMMISSIONING & CONSERVATION						
<input type="checkbox"/> INHR 60011-01	SYSTEM STARTUP AND SHUTDOWN	0.96	23	21.00	242.88	263.88
<input type="checkbox"/> INHR 60021-01	HEATING COOLING SYSTEM DESIGN	1.04	25	24.00	263.12	287.12
<input type="checkbox"/> INHR 60031-01	ENERGY CONSERVATION EQUIPMENT	0.42	10	21.00	106.26	127.26
<input type="checkbox"/> INHR 60041-01	ALTERNATIVE HEAT COOL SYSTEMS	0.42	10	24.00	106.26	130.26
UNIT TOTAL		2.84	68	90.00	718.52	808.52
UNIT 65 WATER TREATMENT						
<input type="checkbox"/> INHR 65011-01	WATER TREATMENT	0.42	10	48.00	106.26	154.26
UNIT TOTAL		0.42	10	48.00	106.26	154.26

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UNIT 70		SUPERVISORY SKILLS				
<input type="checkbox"/> INHR 70011-01	INTRO TO SUPERVISORY SKILLS	0.63	15	41.00	159.39	200.39
UNIT TOTAL		0.63	15	41.00	159.39	200.39
UNIT 75		WRITING FOR EMPLOYMENT				
<input type="checkbox"/> INHR 75011-01	WRITING FOR EMPLOYMENT	0.50	12	6.00	126.50	132.50
UNIT TOTAL		0.50	12	6.00	126.50	132.50
PROGRAM TOTAL		25.86	625	1260.00	6542.58	7802.58

*Module cannot be paid for using certain types of financial aid. Please direct all inquiries to the staff at the RMTC registration desk.

FOR OFFICE USE ONLY

Instructor Approval _____ Date _____

Total Credit _____ Total Contact _____ Total Cost _____