

PROGRAM DESCRIPTIONS

The HVACR program prepares students for an entry level position in the HVACR industry. The program emphasizes a combination of theory practical application and work experience to give graduates a unique advantage in the field. The program is designed to provide knowledge and skills to troubleshoot, install, and repair heating, ventilation, air conditioning, and refrigeration equipment. The program covers electrical requirements from power sources to circuits, HVACR equipment and systems diagnosing and troubleshooting equipment and accessories. The HVACR laboratory equipment used during the program includes evaporators, condensers, heat pumps, furnaces, oxy-acetylene torches, electrical boards, and a number of others.

CURRICULA OUTLINE

The Institution's HVAC program is presented in five modules. The day program is 30 weeks in length with classes held on Monday through Friday from 9:00 a.m. to 2:00 p.m. The evening program is 40 weeks in length with classes held on Monday through Thursday from 6:00 p.m. to 10:30 p.m.

Module	Course Code	Course Name	Class- room Hours	Lab Clock Hours	Total Hours	Quarter Credit Hours
I	RF 101	Fundamentals of Refrigeration	80	0	80	8.0
	RF 102	Refrigeration Servicing and Techniques	45	20	65	5.5
II	EL 202	Basic Electricity	50	10	60	5.5
	EL 203	Troubleshooting Controls	25	20	45	3.5
	EL 204	Motor Fundamentals	20	10	30	2.5
	CS 101	Career Planning & Development	10	0	10	1.0
III	RA 303	Electrical Troubleshooting	30	20	50	4.0
	RA 304	Mechanical Troubleshooting	30	20	50	4.0
	RA 305	Light Commercial Applications	25	20	45	3.5
IV	HA 404	Electrical Heating	15	10	25	2.0
	HA 405	Heat Pumps	20	30	50	3.5
	HA 406	Gas Heating	20	30	50	3.5
	HA 407	Air Distribution and Balance	10	10	20	1.5
V	FT 410	Air Conditioning and Comfort	10	30	40	2.5
	FT 411	Equipment Installation and Operation	5	45	50	2.8
	FT 412	Domestic Appliances	5	5	10	0.8
	FT 413	Service Technician Etiquette	10	20	30	2.0
	CR 102	Customer Relations	10	0	10	1.0
TOTAL			420	300	720	57.0