



## CATALOG YEAR: 2022-2023 AC & REFRIGERATION TECHNOLOGY

### FIRST SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Electrical Fundamentals	HACR	1210	3
Electrical Components	HACR	1220	3
Electric Motors	HACR	1230	3
Applied Electricity and Troubleshooting	HACR	1240	3
Core Industry Safety	CORE	1003	3
<b>SEMESTER CREDIT HOURS</b>			<b>15</b>

### SECOND SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
HVAC Introduction	HACR	1150	3
Principles of Refrigeration I	HACR	1160	3
Principles of Refrigeration II	HACR	1170	3
Principles of Refrigeration III	HACR	1180	3
Domestic Refrigeration	HACR	1410	2
<b>SEMESTER CREDIT HOURS</b>			<b>14</b>

**Students who complete all courses above qualify to earn the Certificate of Technical Studies (CTS) A/C & Refrigeration: Domestic (29 credit hours)**

### THIRD SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Residential Central Air Conditioning I	HACR	2510	3
Residential Air Conditioning II	HACR	2520	2
Residential System Design	HACR	2530	2
Residential Heating I	HACR	2540	3
Residential Heating II	HACR	2550	3
Residential Heat Pumps	HACR	2560	2
Room Air Conditioners	HACR	1420	2
<b>SEMESTER CREDIT HOURS</b>			<b>17</b>

**Certificate of Technical Studies (CTS)- AC & Refrigeration: Domestic = 29 credit hours**

**Technical Diploma- AC & Refrigeration: Commercial Refrigeration = 46 Credit Hours**