



## CATALOG YEAR: 2023-2024 TECHNICAL DIPLOMA AC & REFRIGERATION TECHNOLOGY

Students are encouraged to utilize Degree Works (accessible in LoLA) to track their academic progress. All courses must be passed with a “C” or better.

### FIRST SEMESTER

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

### SECOND SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS	Industry- Based Credentials
HVAC Introduction	HACR	1150	3	EPA 608 Certification
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	Industry-Based Credentials
Residential Central Air Conditioning I	HACR	2510	3	HVAC Excellence Air Conditioning Employment Ready
Residential Air Conditioning II	HACR	2520	3	
Residential System Design	HACR	2530	2	
Residential Heating I	HACR	2540	3	HVAC Excellence Gas Heat Employment Ready and Electric Heat Employment Ready
Residential Heating II	HACR	2550	3	
Residential Heat Pumps	HACR	2560	2	HVAC Excellence Heat Pump Employment Ready
Room Air Conditioners	HACR	1420	2	
<b>SEMESTER CREDIT HOURS</b>			<b>18</b>	

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

**Technical Diploma- AC & Refrigeration: Commercial Refrigeration = 47 Credit Hours**