



CATALOG YEAR: 2021-2022 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 Curriculum: Introductory Craft Skills	CORE	1003	3
SEMESTER CREDIT HOURS			15

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
SEMESTER CREDIT HOURS			14

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 Central 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
SEMESTER CREDIT HOURS			17

Certificate of Technical Studies (CTS)- A/C & Refrigeration: Domestic = 29 credit hours

Technical Diploma- A/C & Refrigeration: Commercial = 46 Credit Hours

AC & REFRIGERATION TECHNOLOGY PRE-REQUISITES & CO-REQUISITES

FIRST SEMESTER

COURSE NAME	CO-REQUISITE	PRE-REQUISITE
HACR 1210	HACR 1220, HACR 1230, HACR 1240, CORE 1003	
HACR 1220	HACR 1210, HACR 1230, HACR 1240, CORE 1003	
HACR 1230	HACR 1210, HACR 1220, HACR 1240, CORE 1003	
CORE 1003	HACR 1210, HACR 1220, HACR 1230, HACR 1240	

SECOND SEMESTER

COURSE NAME	CO-REQUISITE	PRE-REQUISITE
HACR 1150	HACR 1160, HACR 1170, HACR 1180, HACR 1410	HACR 1210, HACR 1220, HACR 1230, HACR 1240, CORE 1003
HACR 1160	HACR 1150, HACR 1170, HACR 1180, HACR 1410	HACR 1210, HACR 1220, HACR 1230, HACR 1240, CORE 1003
HACR 1170	HACR 1150, HACR 1160, HACR 1180, HACR 1410	HACR 1210, HACR 1220, HACR 1230, HACR 1240, CORE 1003
HACR 1180	HACR 1150, HACR 1160, HACR 1170, HACR 1410	HACR 1210, HACR 1220, HACR 1230, HACR 1240, CORE 1003
HACR 1410	HACR 1150, HACR 1160, HACR 1170, HACR 1180	HACR 1210, HACR 1220, HACR 1230, HACR 1240, CORE 1003

THIRD SEMESTER

COURSE NAME	CO-REQUISITE	PRE-REQUISITE
HACR 2510	HACR 2520, HACR 2530, HACR 2540, HACR 2550, HACR 2560, HACR 1420	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003
HACR 2520	HACR 2510, HACR 2530, HACR 2540, HACR 2550, HACR 2560, HACR 1420	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003
HACR 2530	HACR 2510, HACR 2520, HACR 2540, HACR 2550, HACR 2560	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003
HACR 2540	HACR 2510, HACR 2520, HACR 2530, HACR 2550, HACR 2560, HACR 1420	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003
HACR 2550	HACR 2510, HACR 2520, HACR 2530, HACR 2540, HACR 2560, HACR 1420	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003
HACR 2560	HACR 2510, HACR 2520, HACR 2530, HACR 2540, HACR 2550, HACR 1420	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003
HACR 1420	HACR 2510, HACR 2520, HACR 2530, HACR 2540, HACR 2550, HACR 2560	HACR 1150, HACR 1160, HACR 1170, HACR 1180, HACR 1210, HACR 1220, HACR 1230, HACR 1240, HACR 1410, CORE 1003