



**SCHOOL OF
Automotive and Trades**

**Heating & Air Conditioning Refrigeration Service
Technician Certificate**

Degree	86
Total Credits	
Total Cost	Tuition & Fees

Targeted Start Date
Expected Graduation Date

ENTRY COORDINATOR	
STUDENT NAME	
FACULTY NAME	Richard Barton or Dwight McGhee
CONTACT INFO	richard.barton@cptc.edu or dwight.mcghee@cptc.edu
PROGRAM COUNSELOR	Taylor McGovern
CONTACT INFO	taylor.mcgovern@cptc.edu
START DATE	
PROGRAM START QUARTER	Summer, Fall, Winter, and Spring

Important Program Information

*All courses must be completed with a minimum "C" grade to receive the certificate. Students required to pass six nationally recognized certification exams during the program.

Quarter 1		
Course Number	Course Title	CR
HAC 102	Basic Electricity	5
HAC 105	Electrical Circuits	4
HAC 120	Advanced Controls and Troubleshooting	4
HAC 162	Electric Motors and their Applications	4
HAC 164	Electric Motor Controls and Troubleshooting Motors	3
HAC 163	Refrigeration Controls	3
HAC 169	Advanced Motor Theory	2
MAT 103, or MAT 105	Business Math, or Math for Industrial Professionals	5
COLL 102	College Success for All	3
Total Credits		33

Quarter 2		
Course Number	Course Title	CR
HAC 170	Heating I	7
HAC 175	Heating I Lab	4
HAC 181	Heating II	6
HAC 184	Heating II Lab	4
ENGL& 101, or CMST& 220	English Composition I, or Public Speaking	5
Total Credits		26

Quarter 3		
Course Number	Course Title	CR
HAC 237	Basic Refrigeration I	9
HAC 242	Basic Refrigeration I Lab	5
HAC 246	Basic Refrigeration II	4
HAC 255 ^{CAP}	Basic Refrigeration II Lab	3
HAC 230	EPA Refrigerant Recovery Certification	1
PSYC& 100, or PSYC 112, or	General Psychology, or Psychology of the Workplace, or Intro to	5
Total Credits		27

Quarter 4		
Course Number	Course Title	CR
Total Credits		0

Required Gen Ed courses		
COLL 102 College Success for All		3
Any MATH 100 Level course (MAT 103 Business Math or MAT 105 Math for Industrial Professionals preferred)		5
ENGL& 101 English Composition I or CMST& 220 Public Speaking		5
PSYC& 100 General Psychology, SOC& 101 Introduction to Sociology, or PSY 112 Psychology in the Workplace		5
Total Gen Ed credits		18

Advising Notes

Career Outlook Sites

[The Occupation Information Network O*NET worksourcewa.com](http://TheOccupationInformationNetworkO*NETworksourcewa.com)

Next Steps (Transcripts & Graduation)

[Apply for Graduation](#)

[Apply for Sealed Official Transcript](#)

**Please check Periodically with Advising and Counseling regarding any potential Changes to program course requirements.*

Clover Park Technical College does not discriminate on the basis of race, color, national origin, sex, disability, sexual orientation, age or Veteran's status in its program and activities.