

School of Automotive and Trades

**Heating & Air Conditioning/Refrigeration Service Technician
Basic HVAC/Refrigeration Service Technician Certificate Program Map
2023-2024**

Student Name: (First, Last)		Student EMPL #:		Date:
Total Units: 112	Total Cost: www.cptc.edu/feelists	Target Start Date:	Target Grad. Date:	Staff Initials:

Important Information For Educational Planning

- All courses must be completed with a minimum “C” grade to receive the certificate. Students required to pass seven nationally recognized certification exams during the program.
- **Program Starts:** Summer, Fall, Winter, and Spring

Program Courses			Units	Status	Total Term Units
Term 1	HAC 102 Basic Electricity		5		33
	HAC 105 Electrical Circuits		4		
	HAC 120 Advanced Controls and Troubleshooting		4		
	HAC 162 Electric Motors and Their Applications		4		
	HAC 163 Refrigeration Controls		3		
	HAC 164 Electric Motor Controls and Troubleshooting Motors		3		
	HAC 169 Advanced Motor Theory		2		
	MAT 103 Business Math or MAT 105 Math for Industrial Professionals		5		
COLL 102 College Success for All		3			
Term 2	HAC 170 Heating I		7		27
	HAC 175 Heating I Lab		5		
	HAC 181 Heating II		6		
	HAC 184 Heating II Lab		4		
	ENGL& 101 English Composition I or CMST& 220 Public Speaking		5		
Term 3	HAC 230 EPA Refrigerant Recovery Certification		1		27
	HAC 237 Basic Refrigeration I		7		
	HAC 242 Basic Refrigeration I Lab		5		
	HAC 246 Basic Refrigeration II		6		
	HAC 255 ^{CAP} Basic Refrigeration II Lab		3		
	PSYC& 100 General Psychology or PSYC 112 Psychology of the Workplace or SOC& 101 Introduction to Sociology		5		

Math	Student Placement
Adult Basic Education (ABE Math) contact Transitional Studies Dept. Bldg. 10 (253) 589-5702	<input type="checkbox"/>
MAT 103/MATSI 103 Business Math w/ supplemental Instruction (8 Units) -or- MAT 105/MATSI 105 Math for Industrial Professionals w/ supplemental Instruction (8 Units)	<input type="checkbox"/>
Stand Alone: MAT 103 Business Math (5 Units) -or- MAT 105 Math for Industrial Professionals (5 Units)	<input type="checkbox"/>

English	Student Placement
Adult Basic Education (ABE English) contact Transitional Studies Dept. Bldg. 10 (253) 589-5702	<input type="checkbox"/>
ENGL& 101/ENSI 101 English Composition w/ supplemental Instruction (8 Units)	<input type="checkbox"/>
Stand Alone (choose one): ENGL& 101 English Composition (5 Units)	<input type="checkbox"/>

Status Key: X=Completed course, TR= Transferred course, IP= In Progress **Note:** Unit=Credit

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Individualized Program Map

Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:
Class:	Class:	Class:	Class:

Program Instructor: Richard Barton **email:** richard.barton@cptc.edu

Program Counselor: Taylor McGovern **email:** taylor.mcgovern@cptc.edu

Transferring Course Work into CPTC: www.cptc.edu/transfer-to **Email Contact** evaluator@cptc.edu

Graduation Application: www.cptc.edu/enrollment-services >Transcripts & Graduation >Degree/Certificate Application. Graduation Ceremony Information (Commencement) > Graduation Info

Career Outlook sites: www.onetonline.org www.worksourcewa.com

Notes:

**Please check in periodically with Advising and Counseling regarding any potential changes to program course requirements*