## Air Conditioning, **Heating and** Refrigeration Technology

## Air Conditioning, Heating, and Refrigeration **Technology Suggested Course Sequences**

The following is the suggested plan for when to take each course to complete the Associate in Applied Science degree, based on the program requirements of the 2024-2025 catalog. This is only a recommendation - you may take courses in another order upon consultation with your advisor. This plan is based on you starting with college-level math and English courses, starting your program in the fall, and attending full-time. You can also follow this sequence if you attend part-time. Speak with your academic advisor about the plan and any questions. This program might also offer diplomas or certificates; visit the catalog or contact the program for details. Visit the Academic Advising page for instructions on locating your assigned advisor: https://www.cpcc.edu/academics/academicadvising

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## Air Conditioning, Heating, and Refrigeration Technology (A35100)

	Credits	10		
WBL 111 or WBL 112	Work-Based Learning I (alternate technical elective) or Work-Based Learning I	1.0		
COM 231	Public Speaking	3.0		
or MAT 171	or Precalculus Algebra			
MAT 110	Mathematical Measurement and Literacy	3.0		
ENG 111	Writing and Inquiry	3.0		
Term III				
	Credits	15		
BPR 130	Print Reading-Construction	3.0		
AHR 255	Indoor Air Quality (spring term only)	2.0		
AHR 213	HVACR Building Code (spring term only)	2.0		
AHR 113	Comfort Cooling	4.0		
AHR 112	Heating Technology	4.0		
Term II				
	Credits	17		
with your academic advisor.				
You may have completed	program certificate C35100-11 Confirm eligibility	5.0		
WOL 110	Basic Construction Skills	3.0		
ACA 122	College Transfer Success	1.0		
AHR 180	HVACR Customer Relations	1.0		
AHR 160	Refrigerant Certification	1.0		
AHR 130	HVAC Controls	3.0		
AHR 111	HVACR Electricity	3.0		
AHR 110	Introduction to Refrigeration	5.0		
Term I		Credits		

Heat Pump Technology

Refrigeration Systems (fall term only)

Term IV AHR 114

AHR 115

Credits	12
ted a program certificate(s). Confirm eligibility with your	
	0.0
Art Appreciation	3.0
Commercial HVAC Controls (spring term only)	2.0
Advanced Comfort Systems	4.0
Refrigeration Design (spring term only)	3.0
Credits	12
eted a program certificate(s). Confirm eligibility with your	
World Civilizations I	3.0
Residential System Design	3.0
	Residential System Design World Civilizations I ted a program certificate(s). Confirm eligibility with your Credits Refrigeration Design (spring term only) Advanced Comfort Systems Commercial HVAC Controls (spring term only) Art Appreciation Sted a program certificate(s). Confirm eligibility with your Credits

Total Credits

## Air Conditioning, Heating, and Refrigeration Technology -HVAC-R Controls (A35100C)

Term I		Credits
AHR 110	Introduction to Refrigeration	5.0
AHR 111	HVACR Electricity	3.0
AHR 130	HVAC Controls	3.0
AHR 160	Refrigerant Certification	1.0
AHR 180	HVACR Customer Relations	1.0
BPR 130	Print Reading-Construction	3.0
ACA 122	College Transfer Success	1.0
You may have completed	I program certificate C35100-11. Confirm eligibility	
with your academic advis	sor.	
	Credits	17
Term II		
AHR 112	Heating Technology	4.0
AHR 113	Comfort Cooling	4.0
AHR 213	HVACR Building Code (spring term only)	2.0
AHR 255	Indoor Air Quality (spring term only)	2.0
ENG 111	Writing and Inquiry	3.0
	Credits	15
Term III		
ENG 112	Writing and Research in the Disciplines	3.0
COM 231	Public Speaking	3.0
MAT 110 or MAT 171	Mathematical Measurement and Literacy or Precalculus Algebra	3.0
WBL 111 or WBL 112	Work-Based Learning I (alternate technical elective) or Work-Based Learning I	1.0
	Credits	10
Term IV		
AHR 114	Heat Pump Technology	4.0
ELC 117	Motors and Controls	4.0
ELC 125	Diagrams and Schematics	2.0
ELC 128	Introduction to Programmable Logic Controller	3.0
You may have completed	l a program certificate(s). Confirm eligibility with your	
academic advisor.		
	Credits	13
Term V		
AHR 212	Advanced Comfort Systems	4.0
AHR 211	Residential System Design	3.0
AHR 215	Commercial HVAC Controls (spring term only)	2.0
HIS 111	World Civilizations I	3.0
ART 111	Art Appreciation	3.0
	Credits	15
	Total Credits	70

4.0

2.0