

Area of Interest: Industrial Technology & Skilled Trades

Degree: HVAC, Associate of Applied Science (AAS)

Stackable Certificate 1: HVAC Level I

Stackable Certificate 2: HVAC Level II

College Catalog: [2026-2027](#)

Program Location

Maricopa Campus

Program Description

The Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) Associate of Applied Science (AAS) degree at Central Arizona College prepares students for skilled technical careers in residential, commercial, and industrial HVAC systems. This comprehensive program combines hands-on training with theoretical instruction, emphasizing safety, system diagnostics, repair, and installation. The curriculum follows NCCER (National Center for Construction Education and Research) standards, ensuring students receive industry-recognized, competency-based training aligned with national benchmarks. Students gain foundational and advanced knowledge in electrical systems, refrigeration cycles, ductwork, HVAC system design, and energy efficiency. Graduates of the program will be prepared to pursue careers as HVAC technicians, installers, service specialists, or to continue education in related field.

Area of Interest Website: [Industrial Technology and Skilled Trades - Central Arizona College \(centralaz.edu\)](#)

Legend

Course Indicators

Bold = Required Course **(R)** = Recommended Course

Type (Type column)

SC = Stackable Certificate

Category (Cat. column)

The following abbreviations are used in the Cat. column:

Written Communication (WC) Oral Communication (OC) Arts & Humanities (AH) Social/Behavioral Sciences (SB)

Natural Sciences (NS) Mathematics (M) Core Course (CC)

Semester 1

New Students — Find your suggested starting point for [English/Reading & Math](#) courses.

TYPE	CAT.	COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC1	CC	BCT100 NCCER Core	5		
SC1	CC	BCT150 Industrial Safety & OSHA 30	3		
SC1	CC	HVA121 Heating, Ventilation, Air-Conditioning, & Refrigeration Level I	5		
SC1	CC	HVA122 HVAC Heating, Ventilation, Air-Conditioning, & Refrigeration Level II	5		

Semester Credits:

18

Meet with your CAC advisor each semester!

Semester 2

Students **MUST** complete Stackable Certificate I (SC1) courses before Stackable Certificate II (SC2) courses.

TYPE	CAT.	COURSE	CREDITS	SEMESTER/GRADE	NOTES
SC2	WC	ENG121 Technical Writing (R) <u>or</u> , ENG101 College Composition I	3		
SC2	M	MAT106 Technical Math or Higher	3-4		
SC2	CC	HVA221 Heating, Ventilation, Air- Conditioning Level III	5		
SC2	CC	HVA222 Heating, Ventilation, Air- Conditioning Level IV	5		

Semester Credits:

16-17

Research career resources and opportunities!

Semester 3

TYPE	CAT.	COURSE	CREDITS	SEMESTER/GRADE	NOTES
-	AH	Arts & Humanities course	3		
-	OC	Oral Communication course	3		
-	NS	Natural Sciences course	4		
-	CC	PLU121 Plumbing Level I	5		

Semester Credits:

15

Apply for graduation and attend career events!

Semester 4

TYPE	CAT.	COURSE	CREDITS	SEMESTER/GRADE	NOTES
-	SB	Social/Behavioral Sciences course	3		
-	CC	PLU122 Plumbing Level II	5		
-	CC	PLU221 Plumbing Level III	5		

Semester Credits:

13

Finish strong-don't get distracted before finals!

Total Degree Credits:

62-63

Total Stackable Certificate 1 Credits:

18

Total Stackable Certificate 2 Credits:

16-17

2026-2027 Arizona Resident Tuition

For 2026-2027 Arizona Resident Tuition, please visit [Paying for College](#). Financial aid may be available.

Career Information

[CAC Career Center](#)

Free career resources and assistance for CAC students.

[O*NET OnLine](#)

Explore and search for detailed career information.

Occupations in **HVAC**, including:

- Education requirements for specific occupations
- Occupation tasks, knowledge, skills, and abilities
- Salary and wages for specific occupations

Transfer Information

[CAC University Transfer Center](#)

Free transfer resources and assistance for CAC students.

Note:

Use this Program MAP as a guide to choose courses with your advisor and track progress towards milestones and completion of program. Work with an advisor to customize your plan to align with your specific career and/or transfer goals.

Part-Time Students

Plans can be modified to fit the needs of part-time students by adding more semesters.

Student Information

Student Name: _____ Advisor Name: _____

Student ID Number: 880 _____ Date: _____