

HVAC

(AIR CONDITIONING/HEATING)

PROGRAM DESCRIPTION

The HVAC (Air Conditioning/Heating) Program provides students with the essential skills, required for entry-level employment in the A/C and Refrigeration industry. Training in various aspects of A/C and Refrigeration include troubleshooting, maintenance, repair and servicing of A/C units, related electrical controlling devices, motors and safety factors concerning the use of various refrigerants.



CTE STANDARDS

[SYLLABUS](#)

SCOPE & SEQUENCE

[CERTIFICATE SHEET](#)

JOB OUTLOOK

Employment of Heating, A/C and Refrigeration mechanics and installers is projected to grow 15 percent from 2016 to 2026, faster than the average for all occupations. Candidates familiar with computer and electronics and those with good troubleshooting skills will have the best job opportunities as employers continue to have difficulty finding qualified technicians to work on complex new systems.

COST REQUIREMENTS

Upon Acceptance in to Program -

- AWC Tuition and books paid for by STEDY
- \$ 25.00 STEDY Enrollment fee



STEDY

[www. STEDYcte.org](http://www.STEDYcte.org)

STEDY Office

928-366-5884

stedy@stedy01.org

STUDENTS REQUIREMENTS

- ◆ English with a "C" or better
- ◆ CTED district resident
- ◆ Enrolled in High School
- ◆ Minimum GPA of 2.0
- ◆ On track with credits/courses towards graduation
- ◆ History of good attendance
- ◆ Two Year Program commitment
- ◆ Transportation is the responsibility of the student; YCAT available at no cost

Next Steps, College Majors!

(Click the logo to view)



HVAC Year

Grade Level: 10, 11, 12 Class: In person, online
 Location: AWC Campus Times: Vary

Year	Semester	STEDY PROGRAM	College Course	College Credit Hours per Course	Total HS Credit per Col-lege Course	Total HS Credit per CTE Course
1	1 Fall	HVAC Air Conditioning/ Heating	ACR 101 Air Conditioning and Refrigeration 1	3	0.5	1.5
			ACR 102 Air Conditioning and Refrigeration 2	3	0.5	
			ACR 103 Air Conditioning and Refrigeration Motors, Circuits	3	0.5	
1	2 Spring	HVAC Air Conditioning/ Heating	ACR 112 Control System	3	0.5	1.5
			ACR 113 Heating Technology	3	0.5	
			WLD 104 Techniques: Flux Core Arc Wld.	3	0.5	
2	1 Fall	HVAC Air Conditioning/ Heating II	ACR 201 Air Conditioning and Refrigeration 3	3	0.5	1.5
			ACR 202 A/C and Refrigeration 4	3	0.5	
			TEC 165 Employee and Occupational Safety	3	0.5	
2	2 Spring	HVAC Air Conditioning/ Heating II	TEC 100 Core Curriculum Intro to Craft Skill	5	1	2
			ACR 212 Heat Ld. Calc./Duct Des.	3	0.5	
			ACR 213 Lt. Commercial Systems	3	0.5	
Total Credits				38	6.5	
				College	High School	

Recommended High School courses:

- Algebra
- Physics
- Computers
- Welding
- Construction
- Engineering