

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



[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
- ◆ YCAT Provided or transportation is the responsibility of the

Next Steps, College Majors!



HVAC Year I

Grade Level: 10, 11 Course Length: semesters

Location: AWC Campus CIP: 47.0200.10

YEAR ONE Credit: 3-4 credit AWC course = .5 High school elective credit / 5 credit AWC course = 1 High school elective credit

FALL	ACR 101	Air Conditioning and Refrigeration 1	3 Credit
	ACR 102	Air Conditioning and Refrigeration 2	3 Credit
	ACR 103	Air Conditioning and Refrigeration Motors, Circuits	3 Credit
SPRING	ACR 112	Control System	3 Credit
	ACR 113	Heating Technology	3 Credit
	WLD 104	Techniques: Flux Core Arc Wld.	3 Credit

HVAC Year II

YEAR TWO Grade Level: 11, 12 Course Length: semesters

Location: AWC Campus CIP: 47.0200.20

Credit: 3-4 credit AWC course = .5 High school elective credit / 5 credit AWC

FALL	ACR 201	Air Conditioning and Refrigeration 3	3 Credit
	ACR 202	A/C and Refrigeration 4	3 Credit
	TEC 165	Employee and Occupational Safety	3 Credit
SPRING	TEC 100	Core Curriculum Intro to Craft Skill	5 Credit
	ACR 212	Heat Ld. Calc./Duct Des.	3 Credit
	ACR 213	Lt. Commercial Systems	3 Credit

Total 38 Credits