

Building and Construction Technologies

Associate of Applied Science

HVAC-R Focus Area

Full-Time Fall Start

www.pima.edu/building-aas

Learn to install, maintain and repair Heating, Ventilation, Air Conditioning-Refrigeration (HVAC-R) systems through a combination of theoretical study and hands-on practice.

Title IV Financial Aid eligible: Yes

What can I do with this degree?

Career options: Seek employment as a HVAC-R technician, specialist or system installer, servicing and installing HVAC-R systems.

Academic options: This program may apply toward a Bachelor of Applied Science (BAS). See an advisor.

CHOOSE YOUR COURSES WITH YOUR COLLEGE ADVISOR

Placement

Students must meet prerequisite standards before taking GTM 105 and GTW 101 in the pathway below. If you are not prepared for the courses based on placement results you will need to take courses to build your skills prior to taking them. The sequence of courses follows.

Math: ICS 081 > GTM 105

If a MAT course higher than MAT 106 is chosen, and/or if WRT 101 or 154 is chosen, additional coursework may be needed

Semester Pathway

This pathway is a suggested sequence of courses for your program of study. Work with an advisor to develop a unique pathway for you based on your placement recommendations, any prior college courses, and your specific situation.

General Education Note: When General Education (Gen. Ed.) credits are listed below, select from the appropriate General Education course list linked from the program website. Some programs recommend specific courses.

For this pathway, ensure that one Gen. Ed. course fulfills the C or G requirement.

Semester 1 - Fall (Semester Total: 13 credits)

BCT 105: Professionalism in Service, Construction Math, Basic Rigging (3 credits)

BCT 107: Basic Safety, Hand and Power Tools, Blueprint Reading (3 credits)

GTM 105: Applied Technical Mathematics (3 credits)
or MAT course numbered 100 or higher: (3 credits)

STU 100: College Study Skills (1 credit)

Gen Ed: CTE Communications List. Recommend: GTW 101: Writing for Trades and Technical Occupations (3 credits)

Semester 2 - Spring (Semester Total: 12 credits)

BCT 106: Soldering and Brazing for Building and Construction Technologies (4 credits)

BCT 120: Blueprint Reading for Construction (3 credits)

BCT 132: Residential and Industrial HVAC I (4 credits)

CSA 100: Computer Literacy (1 credit)

Semester 3 - Summer (Semester Total: 8 credits)

BCT 133: Residential and Industrial HVAC II (4 credits)

BCT 134: Residential and Industrial HVAC III (4 credits)

Semester 4 - Fall (Semester Total: 14 credits)

BCT 231: Residential and Industrial HVAC IV (4 credits)

BCT 232: Residential and Industrial HVAC V (4 credits)

BCT 265: Sustainability for Building Trades (3 credits)

Gen. Ed.: CTE Arts & Humanities List (3 credits)

Semester 5 - Spring (Semester Total: 14 credits)

BCT 233: Residential and Industrial HVAC VI (4 credits)

BCT 234: Residential and Industrial HVAC VII (4 credits)

Gen Ed: CTE Other Requirement List. Recommend CMN 120: Business and Professional Communication (3 credits)

Gen. Ed.: CTE Social & Behavioral Sciences List (3 credits)

Semester 6 - Summer (Semester Total: 4 credits)

BCT 290: Building and Construction Technologies Capstone (4 credits)

PROGRAM TOTAL: 65 credits

Program/Major Codes: **AASBCT/BCT1**

Find more information about this program at:
www.pima.edu/building-aas