

Heating Ventilation Air Conditioning



There is no doubt that the HVAC units that power our home are one of the most influential inventions, responsible for countless hours of comfort for families here in this country in the hottest of summers and the coldest of winters

AC was invented to keep newspaper from expanding and the ink from running.

HEATING VENTILATION AIR CONDITIONING

GENERAL KNOWLEDGE

Course Length
935 Hours

Who Can Enroll
Adults

Schedule
Monday - Friday
8:50 AM - 11:35AM
and/or 12:15 PM -
3:00 PM

Full Time
\$8,833.00

Books & Fees
\$300.00

**Equipment &
Clearances**
\$426.00

Total
\$9,559.00

**Average
Pennsylvania
Salary**
\$23.03 Hour

Tuition, fees, career majors, courses and hours are subject to change without notice.



HVAC technicians work on equipment that controls the air environment within a building. Whether it's industrial HVAC systems or residential split systems, today's "air conditioner repair man" is a highly skilled, technically adept tradesperson. Our HVAC training covers topics such as the nature of electricity, refrigeration systems, electrical systems, HVAC system design and installation, and more to help you succeed in the HVAC repair field.

HELPFUL ATTRIBUTES & ABILITIES

Reliability
Technical savvy
Attention to Detail
Composure

HEATING VENTILATION AIR CONDITIONING COURSE HIGHLIGHTS



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WACTC has a long and storied history of success. The Heating Ventilation and Air Conditioning program was developed to meet the demands of local businesses who continuously have a need for talented craftsman. Their expertise was instrumental in creating the final product.

COURSE HIGHLIGHTS

Load Fundamentals and Terminology * Controls * Basic Refrigeration * Central Air Conditioning * Ductwork * Electrical Furnaces * Regulations Gas Furnaces * Heat Pumps * Panel Box Hook-Up * Pipe Fitting

THE WACTC WAY

It doesn't matter what the time of the year it is, HVAC men and women are always in demand. The furnace doesn't quit until it's below freezing and the A/C stops blowing cold when it reaches 90. WACTC graduates are prepared to tackle any situation that may crop up.

HEATING VENTILATION AIR CONDITIONING FREQUENTLY ASKED QUESTIONS



Q. How long is the course?

Our daytime program runs for one scholastic year and starts in late August this year. You will attend Monday through Friday from roughly 9:00 AM to 3:00 PM or a total of 935 hours of instruction

Q. How much does it cost?

WACTC is a non-profit institution, so we really try to keep our costs down. The daytime option is \$9,559.00 and the 300 hour evening selection is \$7,995.00. Financial aid may be available to those who qualify. We have financial experts on staff to assist you in the process.

Q. Are there job opportunities for me when I'm finished?

HVAC/R is not a one-size-fits-all career. The HVAC/R field is diverse in the types of jobs it offers to people who specialize in this profession. The HVAC/R industry is comprised of various types of occupations: Residential air conditioning and heating, Commercial air conditioning and heating and Industrial and commercial refrigeration. WACTC graduates are prepared to approach all facets of the industry.

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HEATING VENTILATION AIR CONDITIONING FACTS & FIGURES

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COURSE OBJECTIVE:

Students will obtain education and skills to work as installers, sheet metal fabricators and service technicians in the field of Heating, Ventilation and Air Conditioning.

COURSE DESCRIPTION:

Heating, Ventilation & Air Conditioning is a 935 hour (one year) program that prepares students for employment to assist the mechanic in the servicing and installation of residential and commercial heating and cooling systems. Students are also prepared for the EPA certification exam for safe refrigerant handling.

COURSE TOPICS:

Basic Refrigeration | Central Air Conditioning | Ductwork | Electrical Calculations | Electrical Furnaces Electrical Measurements | Electrical Safety | Environmental Protection Agency (EPA) Regulations Gas Furnaces | Heat Pumps | Indoor Air Quality | Magnetism | Oil Furnaces | Panel Box Hook-Up | Pipe Fitting | Refrigerant Safety | Unit Balancing | Unit Sizing

SPECIALIZED SHOP EQUIPMENT:

Digital Electrical Meter | Digital Thermometers | Duct Board Knives | Electronic Leak Detector | Flue Analyzers | Refrigerant Recovery Machine | Sheet Metal Machines | Ultrasonic Electric Detector | Vacuum Pumps