

INTRODUCTION TO HVAC

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There is a very high demand for well-trained technicians. The industry offers good money and the work is essential. What a technician does affects how people live and work.

The Air Standard means
perfect air must be 68 F (20
C) with a 36% relative
humidity

INTRODUCTION TO HVAC (EVE)

GENERAL KNOWLEDGE

Course Length
300 Hours

Who Can Enroll
Adults

Schedule
Tuesday &
Thursday 5:30
PM—9:30 PM

Part Time
\$7,815.00

Books & Fees
\$80.00

**Equipment &
Clearances**
\$100.00

Total
\$7,995.00

**Average
Pennsylvania
Salary**
\$17.43 Hour



An HVAC technician is a professional that labors in the field of heating, ventilation, air conditioning service and support. He or she can install and repair systems, as well as maintain them. He or she may work as an independent contractor or be employed by a company that specializes in climate control solutions for businesses and residential properties.

HELPFUL ATTRIBUTES & ABILITIES

Reliability
Technical savvy
Attention to Detail
Composure

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

INTRODUCTION TO HVAC (EVE)

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 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. The students will have the ability to repair and maintain gas oil and electrical heating systems. Basic ductwork and sheet metal bending will also be covered, so WACTC graduates are prepared to tackle any situation that may crop up.

INTRODUCTION TO HVAC (EVE) FREQUENTLY ASKED QUESTIONS



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Q. How long is the course?

Our evening programs are conducted two nights a week, four hours a night. Our 300 hour program runs for approximately 38 weeks. The evening program tends to be a little faster paced than our daytime offering.

Q. How much does it cost?

WACTC is a non-profit institution, so we really try to keep our costs down. 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.

INTRODUCTION TO HVAC (EVE)

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