

Building Trades

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Structural improvements – like plumbing, electrical, insulation, pest control, and HVAC – are typically the least sexy but most important improvements a home-owner can make. If you need to farm out the work, it can take a bite out of anyone's budget.

Clay roofing tiles can actually be traced back to as far as 10,000 B.C. to China and the Middle East.

BUILDING TRADES

GENERAL KNOWLEDGE

Course Length

128 Hours

Who Can Enroll

Adults

Schedule

Monday & Thursday
5:30 PM—9:30
PM

Part Time

\$2,484.00

Books & Fees

\$183.00

Equipment & Clearances

\$75.00

Total

\$2,742.00

Average Pennsylvania Salary

\$17.61



The program covers a wide variety of home repair and remodeling services from large projects such as full kitchen, bath, or basement remodeling; medium-sized projects such as partial bath and kitchen renovations, roofs and decks, and exterior house painting; and small “handyman” type projects. Our staff is skilled in carpentry, plumbing, electrical, and HVAC.

HELPFUL ATTRIBUTES & ABILITIES

Honesty
Flexibility
Accountable
Creative
Business Sense

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

BUILDING TRADES COURSE HIGHLIGHTS



WACTC has a long and storied history of success. The Building Trades 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

Floor Joists * Wall Studs and Ramps * Wiring Outlets * 2 Way and 3 Way Switches * Lights and Ceiling Fans * Preventative HVAC maintenance * Plumbing Repair * Hanging a Door * Fitting Locks and Latches * Sink and Commode Installation * Piping, Tubing and Soldering * Running wire in existing & new walls

THE WACTC WAY

We have nicknamed this program the Real-Life Construction course. Whether it be repairing, renovating or remodeling a property, you will gain insight into all aspects of construction. You will understand the costs of materials and various plumbing and electrical repairs and how it all directly affects the project at hand.

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BUILDING TRADES FREQUENTLY ASKED QUESTIONS

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Q. How long is the course?

WACTC has designed the program to be offered in four (4) distinct segments: Carpentry, Electrical, HVAC and Plumbing. Each discipline is three (3) weeks long, meeting twice weekly for four (4) hours at a time. At this time, it is ONLY being offered as an evening program. The complete program will run twelve (12) weeks and consist of a total of 96 hours.

Q. How much does it cost?

WACTC is a non-profit institution, so we really try to keep our costs down. The program (all four (4) segments) is \$2,742.00. Financial aid may be available to those who qualify. We have financial experts on staff to assist you in the process.

Q. What skills will I have when I'm finished?

The program was created for the home remodeler or for the entrepreneur interested in flipping homes. Students also use the program to flush out their resume. The skills taught are transferable to numerous industries, both residential and commercial. It is designed to give the graduate basic plumbing, electrical, carpentry and HVAC skills.

Q. Does one instructor teach all of the subjects?

No. Each subject matter will be led by an expert from the respective discipline.

BUILDING TRADES FACTS & FIGURES

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COURSE OBJECTIVE:

Building trade students receive training in four distinct disciplines; Electrical, HVAC, Carpentry and Plumbing. Tool safety, residential maintenance

COURSE DESCRIPTION:

This course focuses on the four elements of basic construction: Electrical, Plumbing, HVAC and Carpentry. The course explores how the four elements act independently as well as in harmony in remodeling or new construction.

COURSE TOPICS:

Wiring Outlets, 2 Way and 3 Way Switches, Lights, Ceiling Fans * Running wire * Piping * Tubing and Soldering * Plumbing Repair * The Hot Water System * The Sewer and Drain System * Gas and Combustion * Plumbing Soft Skills * Fixing architraves and skirting * Fitting locks and latches * Constructing studwork with opening * Constructing and installing door lining * Hanging a door * Fitting floor joists and installing floor coverings * Improper combustion air and inadequate venting systems * Heating Tune-Ups * Preventative HVAC maintenance * Installation procedures related to air-conditioning, heating and heat pump.

SPECIALIZED SHOP EQUIPMENT:

Lockout/Tagout Trainer | Two-Story Mock House with Stud-Framed Walls | Digital Electrical Meter | Digital Thermometers | Duct Board Knives | Electronic Leak Detector | Flue Analyzers | Refrigerant Recovery Machine | Sheet Metal Machines | Ultrasonic Electric Detector | Vacuum Pumps | Band Saw | Circular Saw | Hand Tools | Panel Saw | Table Saw