

OUR PRIMARY MISSION IS EDUCATION

The PHCC of North Carolina Apprenticeship Program was created in 2016 and is a 4-yr training course combining on-the-job training under the direction of experienced workers, and related instruction through online classes. PHCC of NC received approval and certification from the NC Department of Labor, and the program is recognized and certified by the US Department of Labor/Bureau of Apprenticeship Training.

Each year students participating in the apprenticeship program must meet two key requirements: 1- 146 hours of related instruction through online classes and 2- 2,000 hours on-the-job hours under the direction of experienced workers. This program is administered by PHCC of NC through its Advisory Team, which is composed of contractors who possess a deep interest in training and education for the industry.

At the successful completion of the apprenticeship program, the student will have attained skilled journeyman status and will have a greater opportunity for obtaining license and earning above average wages.

PHCC of North Carolina is affiliated with the Plumbing-Heating-Cooling Contractors National Association (PHCC).

BENEFITS OF PHCC APPRENTICESHIP

With various apprenticeship programs to choose from, why select PHCC of North Carolina?

Our program will utilize the complete online instruction of textbooks and related materials designed by the PHCC Educational Foundation. The curriculum used to create this textbook series is recognized by the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship, for the related instruction portion of an apprentice training program.

Written by contractors, educators and industry experts for technicians and apprentices, the Foundation's textbooks deliver practical information needed to meet the workforce training needs of the industry. Detailed illustrations provide accurate visualizations of structures, technologies, and concepts seen in the field. The textbook series combines theory with practical examples, giving the reader the ability to learn **why** as well as **how** things work.

PHCC of NC Apprenticeship Program
PO BOX 90128
Raleigh, NC 27675



2018—2019

PLUMBING & HVAC APPRENTICESHIP PROGRAM

PHCC of NC Apprenticeship Program
PO BOX 90128
Raleigh, NC 27675
919-532-0522
www.phccnc.com

PHCC of NC PLUMBING AND HVAC APPRENTICESHIP PROGRAM

GENERAL INFORMATION

APPLICATION REQUIREMENTS

- All applicants must be 18 years of age at the time of enrollment.
- High school diploma or equivalent completed prior to graduation from the apprenticeship program
- A completed and signed application package must be returned to the PHCC NC office, along with the full annual tuition fee

ANNUAL TUITION—\$1395.00

Includes Registration, Tuition, NC Department of Labor enrollment, and Textbook for One Plumbing or HVAC Apprentice.

PLACEMENT TESTING

- Students with a minimum of two years experience and knowledge of the industry may want to take a placement test. A minimum score of 75 will allow an exemption of year one.
- Placement test exam \$50 (waived for PHCC members)

STATEMENT OF NONDISCRIMINATORY POLICY

The recruitment, selection, employment and training of apprentices during their apprenticeship, shall be without discrimination because of race, color, religion, national origin or sex. Plumbing-Heating-Cooling Contractors NC Program encourages gender equality in students' selection of courses and/or programs, career choices, and personal decisions. The sponsor will take affirmative action to provide equal opportunity in apprenticeship and will operate the apprenticeship program as required under Title 29, Code of Federal Regulations, Part 30.

PLUMBING COURSE

- Plumbing essentials and tools
- First aid and safety
- Basic math for plumbing
- Plumbing and construction basics
- Piping materials and joining methods
- Fixtures, faucets and valves
- Water heaters
- Fundamentals of plumbing drawings
- Installation practices
- Blueprint reading
- Plumbing vents and sewage pumps
- Installation practices—plastic pipe & fittings
- National fuel gas code
- Surveying instruments
- Electricity
- Service and repair
- Heating systems
- Plumbing code
- Final project

HVAC COURSE

- Safety procedures & personal protective equipment
- EPA refrigerant certification
- Brazing copper pipe
- Ductwork, venting materials & applications
- Installation of ductwork, pipe and flex
- Installation of vent systems for furnaces, water heaters, bath vents, kitchen hoods, and downdraft appliances
- Drain lines, thermostats, refrigerant piping, gas piping, wardflex, vent systems & TXV's
- Controlled wiring & zone controls
- Residential & commercial code requirements
- Multi-stage equipment, filter systems, UV lights, programmable, wireless & Wi-Fi thermostats
- Powder gun certification
- Forklift & scissors lift certification
- Blueprint reading
- Commercial RTU, Split systems, zone dampers
- Maintenance procedures
- Electrical and heating system components