**HVAC/R Careers**

High Road to a Sustainable, Just Future

**Considering a Career in HVAC/R?**

When we hear the word HVAC or HVAC/R, we usually think about the A/C unit in our homes. Heating, air conditioning, and refrigeration mechanics and installers work on Heating, Ventilation, Air Conditioning, and Refrigeration systems; residential or commercial.

According to the Bureau of Labor Statistics, employment in the HVAC/R industry is projected to grow 15% from 2016 to 2026.

**HVAC/R Career Paths**

- Residential A/C and heating
- Commercial A/C and heating
- Industrial and commercial refrigeration

**HVAC/R Career Technical Specialties**

- AC Technician
- HVAC/R Engineer
- HVAC/R Installer
- Refrigeration Technician
- Automotive HVAC/R Technician
- Wind Turbine Technician
- Project Manager
- HVAC/R Sales
- HVAC/R Contractor or Vendor
- HVAC/R Manufacturer
- HVAC/R Instructor
- Building Engineer
- Stationary Engineer
- HVAC/R Business Owner or Entrepreneur

**Diversity in HVAC/R**

What We’re Doing and Why It Matters

- The sectors continue to be overwhelmingly white and male
  - Less than 20% of Mechanical, Engineering, and Plumbing trades-workers are non-white
  - 35% of the community is non-white
- In 2017, women made up only 1.4 percent of the HVAC/R industry
  - Encouraging women to enter HVAC/R can help address the hurdle of growth and one of the biggest challenges our industry faces — the labor shortage.

**Did You Know That Black People Are Innovators in the Field of HVAC/R?**

- Alice Parker (1919)
  - Gas Furnace with Ductwork
- David Crosthwait (1920s and 1930s)
  - Cooling and Disinfecting apparatus for modern-day air conditioners
- Frederick McKinley Jones (1938)
  - Heating systems, refrigeration solutions, temperature regulation, devices, vacuum pumps
- Lewis Latimer (1886)
  - Portable Air Conditioning Unit