

5 Steps on an HVAC Technician Career Path



This is a great time to get into the HVACR industry.



By 2022, the HVACR industry will need 115k new technicians and installers.*



Are you a high school student, military veteran, or worker seeking a second career?



The average HVAC Worker salary is \$49,000 or more.*



There's an HVAC career path for you, and Lennox Learning Solutions offers training to help you along the way.

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Steps on the HVAC Technician Career Path

Helper

Similar to an apprentice, gains real-world experience while assisting and taking direction from installer.

Installer

Performs installation and start-up of new HVAC equipment.

Maintenance Technician

Performs complete maintenance on heating, ventilation, and air conditioning systems and equipment.

Service Technician

Repairs and maintains heating and cooling equipment in residential, commercial, and industrial settings.

Lead Technician

Mentors and often trains HVAC technicians, develops HVAC system modification plans, and estimates jobs for remodel activities.



Learning Solutions

*Source: HVACR Workforce Development Foundation

HELPER

An HVAC helper's job includes many tasks related to installing and servicing heating and cooling systems.

Some of those tasks include pulling parts and equipment inventory out of the warehouse for the day's list of service and installation jobs, and loading the inventory into the service truck.

While on-site, the helper assists the installer as needed, including talking with customers, removing old equipment, and cleaning up the work space to make it ready for new equipment. This entails physical work using hand tools, shop vacuums, moving heavy objects, climbing ladders and working in attics, basements and outside in the weather.

Ideally, HVAC helpers enjoy working with their hands, are willing to communicate with homeowners, have good attention to detail, and can take instruction from installers. An HVAC helper is similar to an apprentice, and gains valuable experience in a real-world environment.

CURRICULUM

- ▶ Installer Learning Path 1 & 2
- ▶ Instructor-Led BuildAnInstaller™
- ▶ Virtual BuildAnInstaller™

INSTALLER

An HVAC installer's role is to install new equipment and to replace defective or existing equipment, components, gas piping, and wiring. This includes working with chemicals, such as refrigerants, that must be conserved and disposed of properly according to Federal law. An installer's duties also include layout and connection of electrical wiring between controls and equipment, according to wiring diagrams. Using hand tools for electrical work and conducting proper electrical testing are standard aspects of the job. Upon completing an installation job, the installer conducts a final commissioning test to verify system performance, or to detect and locate malfunctions.

CURRICULUM

- ▶ Virtual BuildATech®
- ▶ Instructor-Led BuildATech®

MAINTENANCE TECHNICIAN

An HVAC maintenance technician performs complete and thorough periodic maintenance checks on all heating, ventilation and air conditioning systems and equipment as required. These activities include inspection, testing, cleaning and minor repair and/or adjustment of all types of HVAC equipment.

The maintenance technician also interacts with the homeowner and explains the benefits of scheduled seasonal maintenance, and encourages customers to purchase a Maintenance Agreement or to continue their existing schedule of yearly or seasonal tune-ups.

CURRICULUM

- ▶ Air Distribution*
- ▶ Advanced Electrical Diagnostics*
- ▶ Gas Heat Diagnostics*
- ▶ Advanced A/C and Heat Pump Diagnostics*

**One Day Class*

SERVICE TECHNICIAN

An HVAC service technician repairs and maintains heating and cooling equipment in residential, commercial, and industrial settings. In this role, an HVAC service tech services and examines equipment, conducting tests with a variety of devices to locate, diagnose, and isolate issues that interrupt performance or create hazards. In many cases, HVAC service technicians follow regular maintenance schedules to keep systems working reliably. They also need to conduct emergency service to make rapid repairs to customers' systems. They interact with the customer to discuss issues regarding their HVAC systems and make recommendations to repair or replace the existing units.

CURRICULUM

- ▶ Tech Communications™
- ▶ Air Distribution*
- ▶ Advanced Electrical Diagnostics*
- ▶ Advanced A/C and Heat Pump Diagnostics*
- ▶ Gas Heat Diagnostics*

**One Day Class*

LEAD TECHNICIAN

A lead technician mentors HVAC technicians, guiding them in troubleshooting, diagnosis, and repair of air conditioning and multi-zone heating and cooling systems that incorporate electromechanical, pneumatic, digital, and central energy management system controls.

The Lead Tech develops heating, ventilating, and air conditioning system modification plans and estimates jobs for remodel activities, and creates scheduled maintenance checklists and programs for new and existing equipment. They also interpret as-built building blueprints and recommend system modifications for remodel projects in accordance with applicable regulations.

Lead Techs research and select materials for HVAC systems installation, repair, and maintenance. They ensure proper care in the use and maintenance of vehicles, equipment and supplies and work to improve workplace safety and environmental practices. Many lead technicians are also responsible for the formal and informal training of their crew, and improving their own skills and knowledge.

CURRICULUM

- ▶ Service Management Parts 1-12
- ▶ The Role of Service
- ▶ Measuring Success in Service
- ▶ Marketing & Pricing Service
- ▶ Managing Parts Replacement
- ▶ Customer Service Representative (CSR) Best Practices
- ▶ Dispatch Best Practices
- ▶ Technician Development
- ▶ Technician Selling
- ▶ Technician Procedures
- ▶ Utilizing Technology in Service

To learn more or register for training, visit hvacls.com, access "My Learning" through LennoxPros.com, or call (800) 654-3283 (Option 2).