

# Fuel Gas Fitter

Fuel Gas Fitters install, repair, alter, service, demolish, or remove pipes, fixtures, fittings, appliances, or apparatus necessary for supplying natural gas or propane for residential or non-residential use from the point of delivery. This includes all gas piping from the supply tank or gas meter to the connection to the combustion zone, the installation of all fuel gas fired appliances, the applicable venting of flue gases to the outside atmosphere, and the provisions for air for combustion and ventilation. Fuel Gas Fitters may be known as hearth system installation and service technicians, liquefied propane installation technicians, liquefied propane service technicians, natural gas installation technicians, natural gas service technicians, or piping installers.

## Legislation

Statute: NH RSA 153:27 through 153:358  
Administrative Rules: Chapter Saf-Mec 100-500

## Licensure Requirements

### **Fuel Gas Trainees**

Licensed fuel gas fitters shall sponsor as trainees only those individuals who:

- Work under a licensed New Hampshire fuel gas fitter who shall sponsor the trainee and oversee his/her educational and work experience meeting the requirements for fuel gas fitting licensing; and
- Hold a currently valid trainee registration license issued by the board.

The board shall issue trainee registration licenses to those individuals who:

- Enter into an agreement between the employer / licensed fuel gas sponsor to enroll under an approved fuel gas training program meeting the requirements of the board;
- Complete the board's apprentice / trainee registration form; and
- Pay the specified fee

### **Fuel Gas Piping Installer**

- Fuel gas piping installers install liquefied propane gas or natural gas piping, or is a New Hampshire licensed plumber, approved by the board through affidavit, experience, and education or training in the use of NFPA 54, National Fuel Gas Code. The fuel gas piping installer shall install propane gas or natural gas piping from the outlet of the first stage regulator for liquefied propane, or the outlet of the natural gas meter to any and all fuel gas appliance(s) or other gas utilization equipment.
- To qualify for a fuel gas piping installer specialty license, an individual shall provide the following:
  1. Proof of successful completion of a minimum of 60 hours of educational training as specified in Saf-Mec 305.02 (b)(1)
  2. A minimum of 1,000 working hours of on-the-job experience in the trade or its equivalent in an approved educational setting as defined in Saf-Mec 301.18, relevant to the installation of gas piping within 60 consecutive months, 500 hours of which may be applied with proof of relevant field experience installing, servicing, and repairing heating oil fired equipment.
  3. A New Hampshire licensed plumber in good standing, shall be qualified for a fuel gas piping installer license upon demonstration of successful completion of the educational requirements specified in Saf-Mec 305.02 (b)(1).

## Regulatory Agency

### **Mechanical Safety and Licensing Section**

Division of Fire Safety, New Hampshire Department of Safety  
110 Smokey Bear Boulevard  
Concord, New Hampshire 03305

*phone* (603) 223-4289

*fax* (603) 223-4294

*web* <[www.nh.gov/safety/divisions/firesafety/building/mechanical/](http://www.nh.gov/safety/divisions/firesafety/building/mechanical/)>

*contact* Marc Prindiville, Chief Mechanical Inspector

*e-mail* [marc.prindiville@dos.nh.gov](mailto:marc.prindiville@dos.nh.gov)

## Fuel Gas Fitter (continued)

### ***Fuel Gas Installation Technician***

- Fuel gas installation technicians are engaged in the installation of inside and outside piping from the outlet of the gas meter or first stage regulator, or residential and non-residential heating equipment systems or water heating systems, using liquefied propane gas or natural gas. The fuel gas installation include gas piping, gas appliances, other gas utilization equipment, the venting and vent systems for gas appliances/gas utilization equipment and performance of safety checks.
- To qualify for a fuel gas installation technician specialty license, an individual shall provide proof of successful completion the following:
  1. A minimum of 100 hours of educational training in subject matter specified in Saf-Mec 305.03 (b)(1);
  2. A minimum of 1,000 working hours of on-the-job experience in the trade or its equivalent in an approved educational setting as defined in Saf-Mec 301.18, relevant to the installation, service, and repair of gas appliances or equipment within 60 consecutive months, 500 hours of which may be applied with proof of relevant field experience installing, servicing and repairing heating oil fired appliances or equipment.
- An individual holding a fuel gas piping installer's license per Saf-Mec 305.02 may qualify for an installation technician license by providing proof of:
  1. Successful completion of a formal educational program of at least 40 hours in the matter specified in Saf-Mec 305.03(b)(1) f through k and;
  2. A minimum of 1,000 working hours of on-the-job experience in the trade or its equivalent in an approved educational setting as defined in Saf-Mec 301.18, relevant to the installation, service, and repair of gas appliances or equipment within 60 consecutive months, 500 hours of which may be applied with proof of relevant field experience installing, servicing and repairing heating oil fired appliances or equipment.

### ***Fuel Gas Service Technician***

- Fuel gas service technicians service and repair inside and outside piping from the outlet of the gas meter or first stage regulator, or residential and non-residential heating equipment systems, or water heating systems using liquefied propane gas or natural gas.
- To qualify for a fuel gas service technician specialty license, individuals must provide proof of successful completion of:
  1. A minimum of 140 hours of educational training in subject matter specified in Saf-Mec 305.04(b)(1).
  2. A minimum of 2,000 working hours of on-the-job experience in the trade or its equivalent in an approved educational setting as defined in Saf-Mec 301.18, relevant to the installation, service, and repair of gas appliances or equipment within 60 consecutive months, 750 hours of which may be applied with proof of relevant field experience installing, servicing, and repairing heating oil fired appliances or equipment.
- An individual holding a fuel gas installation technician license per Saf-Mec 305.03 may qualify for a fuel service technician license by providing proof of:
  1. Successful completion of a formal educational program of at least 40 hours in the subject matter specified in Saf-Mec 305.04(b)(1) k through r; and
  2. A minimum of 2,000 working hours of on-the-job experience in the trade or its equivalent in an approved educational setting as defined in Saf-Mec 301.18, relevant to the installation, service, and repair of gas appliances or equipment within 60 consecutive months, 750 hours of which may be applied with proof of relevant field experience installing, servicing and repairing heating oil fired appliances or equipment.

# Fuel Gas Fitter (continued)

## Hearth System Installer

- Hearth system installation and service technicians install, service, and repair liquefied propane gas or natural gas hearth appliances and venting systems.
- To qualify for the hearth system installation and service technician specialty license, an individual shall provide proof of successful completion of:
  1. A minimum of at least 60 hours of educational training which covers the subject matter specified in Saf-Mec 305.05 (b)(1)
  2. A minimum of 2,000 hours of field experience relevant to the installation and service of hearth appliances and hearth appliance venting systems within 60 consecutive months.

## Examination

Required — all new applicants must pass a written examination with a score of 70 percent or higher relevant to the educational requirements, including NFPA 54, National Fuel Gas Code, as outlined for each specialty license

## Continuing Education

A minimum of three hours per year of continuing education totaling six hours for each two-year licensing cycle, is required for license renewal

## Reciprocity

Permitted, however, an out-of-state licensee with proof of licensure and/or certification from the state they claim to have worked is eligible for the licensing examination relevant to the educational requirement as outlined for each specialty license

## Active Licenses

4,600

## Related Training

Pipefitting/Pipefitter and Sprinkler Fitter  
Appliance Installation and Repair Technology/Technician

## Fees

Gas fitting license, with:

Piping installer endorsement . . . . .	\$190.00
Hearth system installation endorsement . . . . .	\$190.00
Fuel gas installation endorsement . . . . .	\$190.00
Fuel gas service technician endorsement . . . . .	\$190.00
Domestic appliance technician license . . . . .	\$170.00
Renewal fee, domestic appliance technician . . . . .	\$160.00
Renewal fee, all other . . . . .	\$180.00
Reinstatement fee . . . . .	\$350.00

*Licenses expire on the last day of the licensee's month of birth, two years from the date of issuance*

## O\*Net Codes

47-2152.01	Pipefitters and Steamfitters
49-9031.00	Home Appliance Repairers

## Additional Information Sources

National Fire Protection Association  
<[www.nfpa.org](http://www.nfpa.org)>

Certified Employee Training Program (CETP)  
Propane Gas Association of New England  
<[www.pgane.org](http://www.pgane.org)>

North American Technician Excellence (NATE)  
<[www.natex.org](http://www.natex.org)>

Granite State Trade School  
<[www.granitestatetradeschool.com](http://www.granitestatetradeschool.com)>

National Fireplace Institute (NFI)  
<[www.nficertified.org](http://www.nficertified.org)>

The New Hampshire School of Mechanical Trades  
<<http://nhtradeschool.com/>>

New Hampshire Gasfitters Continuing Education Online  
<[www.nhgasfitters.com](http://www.nhgasfitters.com)>