

FUEL GAS PIPING INSTALLERS LICENSE

60 HOUR Classroom requirements consisting of a **Basic Theory and Piping Course** combined with a minimum of 1000 hours of field experience (approximately 6 months) to become licensed as a New Hampshire Gas Piping Installer. (GPI License)

This class is not a hands on course.

WHAT IS COVERED?

Total time = 60 hours

Classification of Gases	Piping installation Plan	
Properties of Gases	Preparing a Plan	Proper Bonding of Gas Piping
Fuel Gases	Methods for Sizing Gas Piping	
Gas Flames	Sizing of Gas Piping Systems	Piping Underground
Gas Combustion	System Operating Pressure	Piping in Partitions
Gas Safety	Piping Materials & Selection of Proper Materials	Pressure Testing & Inspection
Gas System Pressures	Methods of Piping Assembly	Proper Purging of Piping Systems
Gas Pressure Regulators	Pipe Hangers & Supports	

STATE OF NEW HAMPSHIRE GAS LICENSING REQUIREMENTS

Saf-Mec. 305.02 Eligibility Requirements for Initial Individual Fuel Gas Fitting Licensure as a Fuel Gas Piping Installer.

- a) A fuel gas piping installer specialty license shall be provided to individuals who are engaged in the installation of liquified propane gas or natural gas piping, or who the 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 as adopted pursuant to the RSA 153:5 in the state fire code, as defined in RSA 153:27, VI, and who shall install propane and natural gas piping from the outlet of the first stage regulator for liquefied propane, or the outlet of the natural gas meter, which shall be the point of delivery, to any and all fuel gas appliance(s) or other gas utilization equipment, including any and all future portions of the gas distribution system located therein.
- b) To qualify for a fuel gas piping installer license, an individual shall provide the following:
 - (1) Proof of successful completion of a minimum of 60 hours of educational training which covers the following subject matter:

The New Hampshire School of Mechanical Trades
7 Perimeter Rd. Manchester, NH 03103

- a. Basic gas theory involving a thorough understanding of the physical properties and characteristics of propane and natural gas;
 - b. Reading and interpretation of fuel gas piping plans and drawings;
 - c. Determining proper fuel gas piping systems using appropriate sizing tables and charts;
 - d. Piping installation involving review of gas pipe sizing, gas pipe material selection, proper installation of underground and aboveground fuel gas piping supply and distribution systems, placing a fuel gas system in service including purging, initial pressure testing, and leak check of gas distribution piping and appliances;
 - e. The documentation of fuel gas piping system pressure testing, leak checking including customer notification as to the safety procedures and recognition of fuel gas odors; and
 - f. The application of laws regulations and adopted codes pertaining to fuel gas piping installation and licencing; 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 of gas piping within 60 consecutive months, 500 hours of which may be applied if the applicant can demonstrate proof of relevant field experience installing, servicing, and repairing heating oil fired equipment
- c) Notwithstanding any rule to the contrary, a NH licensed plumber who demonstrates that he or she is licensed in good standing shall be qualified for a fuel gas piping Installer License once he or she demonstrates successful completion of (b) (1) above.

STATE OF NEW HAMPSHIRE GAS LICENSING CHECK LIST:

- Check, Money order made out to "State of NH – Treasury"
- Color Photograph at least 2" X 2" or more with no hat and no sunglasses
- Proof of identification
- Copy of current/VALID NH fuel gas trainee card, or a current/VALID NH Plumbing license, or a copy of an out of state license (must meet the state qualifications).
- Proof of the successful completion of the licensing exam for the endorsement being applied for (NH Gas fitters certificate provided by NHgasFitters.com)
- Proof of successful completion of the required educational hours for the endorsement being applied for (the course certificate provided by The NH School of Mechanical Trades)
- Proof of hours of field experience signed by the licensee you are working under (page 2 of the application)
- One letter signed and written by a licensed gas fitter who was supervising, sponsoring or directing the applicant's fuel gas fitting training and development during the applicant's service or employment stating that the applicant meets the minimum competency requirements for the licensing endorsement being applied for