

FUEL GAS INSTALLATION TECHNICIAN LICENSE

40 HOUR Classroom requirements consisting of an **Equipment Installation and Venting Course** combined with a minimum of 1000 hours of field experience (approximately 6 months) plus the Gas Piping Installer license requirements to become licensed as a New Hampshire Gas Installation Technician.

This class is not a hands-on course.

Prerequisites for this course:

Gas Piping License, or Gas Piping Installer Certificate, Gas Piping Installer Exam Certificate, and Trainee Card

WHAT IS COVERED?

Total time = 40 hours

Total time with Gas Piping Installer course = 100 hours

Equipment Application	Inspection of Existing Systems	
Installation Practices	Equipment Set-Up and Check Out	High Efficiency Vents
Choosing the Right Equipment	Appliance Categories for Venting	Vent Terminations
Manufacturer’s Installation Instruction	Gas Equipment Venting	Sizing Gas Vents
Clearances to combustibles		Applications for Sizing Gas Vents
Equipment Specifics		

STATE OF NEW HAMPSHIRE GAS LICENSING REQUIREMENTS

Mec 305.03 Eligibility Requirements for Initial Individual Fuel Gas Fitter Licensure as a Fuel Gas Installation Technician.

(a) A fuel gas installation technician specialty license shall be provided to any individual 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 as defined in RSA 153:27, V, which includes:

- (1) The installation of propane and natural gas piping from the point of delivery to the appliance(s);
- (2) The installation of gas appliances and any other gas utilization equipment using liquefied petroleum gas;
- (3) The installation of the venting and vent systems for gas appliances and any other gas utilization equipment which shall include the air for combustion and dilution; and
- (4) The performance of safety checks, equipment conversion to ensure the proper fuel supply, required efficiency, and start up procedures to ensure the safe operation of the fuel gas appliances being installed.

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(b) 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 the following subject matter:
 - 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 above ground 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;
 - f. Liquefied propane and natural gas appliance installation, including clearance to combustibles, combustion, dilution, and the proper sizing of ventilation air requirements;
 - g. Liquefied propane and natural gas appliance venting including venting categories, selection and use of proper venting materials, vent sizing and clearances, and installation;
 - h. Placing propane and natural gas appliances equipment into service while controlling propane and air mixtures for proper combustion;
 - i. Verification for proper operation of safety controls and devices;
 - j. The proper utilization of combustion analyzing equipment with respect to applicable codes and manufacturer's installation instructions; and
 - k. The application of the adopted codes and standards that apply to the requirements of Mec 305.03 (b)(1); 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 Mec 301.01, relevant to the installation, service, and repair of gas appliances or equipment 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 appliances or equipment.

(c) Notwithstanding any rule to the contrary, an individual who is holding a fuel gas piping installer's license pursuant to Mec 305.02 wishing to ascend to this licensing level shall provide proof of:

- (1) Successful completion of a formal educational program of at least 40 hours approved pursuant to the subject matter prescribed by Mec 305.03(b)(1) f. through k. above; 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 Mec 301.01, relevant to the installation, service, and repair of gas appliances or equipment within 60 consecutive months, 500 hours of which may be applied if the applicant can provide proof of relevant field experience installing, servicing, and repairing heating oil fired appliances or equipment.

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STATE OF NEW HAMPSHIRE GAS LICENSING CHECK LIST:

- Check, Money order made out to "State of NH - Treasurer"
- If you answered "yes" to question 1 on the application please attach a copy of your criminal record.
- Must provide an email address
- Proof of Identification (Copy of one)
 - State ID
 - Non - Driver ID
 - Passport
 - Other government ID Name date of birth facial features
- Copy of current/valid NH fuel gas trainee license; or
- If applicable a copy of licensure from an out of state licensing agency in which proof can be demonstrated that the applicant's license meets or exceeds the minimum qualifications for the licensing endorsement applied for; and
- If out of state license is held we will need a letter of good standing from state the license is held in if you cannot provide a letter from a NH licensed gas fitter.
- One letter signed and written by a licensed gas fitter with their license number 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.
- Proof of hours of field experience affidavit signed by the licensee and sponsor/supervisor.
- Proof of completion of education by board approved school.
- **For those who attend NH School of Mechanical Trades you will need copies of your exam results.**