

**Sec. 20-334a. Types of licenses.** (a) Except as otherwise provided in this section, the following licenses may be issued by the Department of Consumer Protection, with the advice and assistance of the boards, under the provisions of section 20-333:

(1) (A) An unlimited contractor's license may be issued to a person who has served as a journeyman in the trade for which such person seeks a license for not less than two years and, if such service as a journeyman was outside this state, has furnished evidence satisfactory to the appropriate state board or the department that such service is comparable to similar service in this state, or has furnished satisfactory evidence of education and experience and has passed an examination which has demonstrated that such person is competent in all aspects of such trade to be an unlimited contractor. (B) A limited contractor's license may be issued to a person who fulfills the requirements of subparagraph (A) of this subdivision as to a specific area or areas within the trade for which such person seeks a license. (C) The holder of an unlimited or a limited contractor's license may, within the trade, or the area or areas of the trade, for which such holder has been licensed, furnish supplies and do layout, installation, repair and maintenance work and distribute and handle materials, provided nothing in this subdivision shall be construed to authorize the performance of any action for which licensure is required under the provisions of chapter 390 or 391. Such licensee shall furnish the board or the department with evidence that such licensee will comply with all state requirements pertaining to workers' compensation and unemployment insurance and that such evidence shall be available to any properly interested person prior to the issuance of a license under this subdivision.

(2) (A) An unlimited journeyman's license may be issued to any person who has completed a bona fide apprenticeship program, including not less than four years' experience in the trade for which such person seeks a license, and has demonstrated such person's competency to perform all services included in the trade for which a license is sought by successfully completing the applicable state licensure examination. (B) A limited journeyman's license may be issued to a person who fulfills the requirements of subparagraph (A) of this subdivision in a specific area or areas of the trade for which such person seeks a license, provided the length of experience required may be less than four years for such area or areas of the trade.

(3) An apprentice's permit may be issued for the performance of work in a trade licensed under the provisions of this chapter, for the purpose of training, which work may be performed only under the supervision of a licensed contractor or journeyman.

(4) An apprentice permit shall expire upon the failure of the apprentice holding such permit to apply for the first licensure examination given by the department following completion of an apprentice training program as provided in subdivision (2) of this subsection.

(b) The following licenses for solar thermal work may be issued by the department, with the advice and assistance of the examining board for heating, piping, cooling and sheet metal work, under the provisions of section 20-333, including an examination on solar work:

(1) A solar thermal contractor's license may be issued to any person who (A) not later than July 1, 1984, (i) has been issued a P-1, P-3, S-1, S-3, S-5, S-7, D-1 or D-3 license under subdivision (1) of subsection (a) of this section or installs at least six fully operational solar hot water heating systems, and (ii) qualifies for a solar thermal contractor's license under section 20-333, or (B) has served as a solar thermal journeyman for not less than two years.

(2) A solar thermal journeyman's license may be issued to any person who (A) not later than July 1, 1984, (i) is issued a P-2, P-4, S-2, S-4, S-6, S-8, D-2 or D-4 license under subdivision (2) of subsection (a) of this section, and (ii) qualifies for a solar thermal journeyman's license under section 20-333, (B) after July 1, 1984, is issued a P-2, P-4, S-2, S-4, S-6, S-8, D-2 or D-4 license under subdivision (2) of subsection (a) of this section and whose bona fide apprenticeship program includes instruction in solar thermal work, or (C) after July 1, 1984, completes a bona fide solar thermal work apprenticeship program and has not less than two years' experience in solar thermal work. A solar thermal journeyman may work only under the supervision of a licensed solar thermal contractor.

(3) A solar thermal apprentice's permit may be issued for the performance of solar thermal work for the purpose of training. Such work may be performed only under the supervision of a licensed solar thermal contractor or journeyman.

(c) The following licenses for fire protection sprinkler systems work may be issued by the department: (1) A fire protection sprinkler contractor's license may be issued to a person who provides satisfactory evidence of education and experience in fire protection sprinkler systems work, as defined in subdivision (9) of section 20-330, and who has passed an examination which has demonstrated competence in all aspects of such trade. Applicants for such license shall complete a form provided by the commissioner, and (2) a journeyman sprinkler fitter's license may be issued to a person who has completed a bona fide apprenticeship program pursuant to section 20-334c, and who has not less than four years experience in fire protection sprinkler systems work, as defined in subdivision (9) of section 20-330, or who has been licensed under this section, and has passed an examination which has demonstrated competence in all aspects of such trade. Applicants for such license shall complete a form provided by the department.

(d) The following licenses for irrigation work may be issued by the department upon authorization of the examining board for plumbing and piping work under the provisions of section 20-333: (1) An irrigation contractor's license, and (2) an irrigation journeyman's license.

(e) The following licenses for sheet metal work may be issued by the department upon authorization of the examining board for heating, piping, cooling and sheet metal work, under the provisions of section 20-333, in addition to any licenses or permits issued for such work under subsection (a) of this section:

(1) Prior to January 1, 2002, a limited contractor's license for large commercial sheet metal work may be issued to any person who has worked as a sheet metal contractor or successfully worked in such trade in the capacity of a journeyman sheet metal worker for not less than two years.

**Sec. 20-332-4. Licenses issued by the plumbing and piping work examining board**

The following licenses shall be issued by the plumbing and piping work examining board:

(a) Unlimited plumbing-piping contractor's license (P-1).

The holder of this license may do all plumbing and piping work as defined in section 20-330 of the Connecticut General Statutes. The requirements to qualify for this license examination shall be two (2) years as an unlimited licensed journeyman or equivalent experience and training.

(b) Unlimited plumbing-piping journeyman's license (P-2). The holder of this license may do all plumbing and piping work as so defined and only while in the employ of a contractor licensed for such work. The requirements to qualify for this license examination shall be the completion of a registered apprenticeship program or equivalent experience and training.

(c) Limited plumbing-piping contractor's license (P-9).

The requirements for examination for this license shall be two (2) years as a properly licensed journeyman or equivalent experience and training. This license permits the installation, repair, replacement, alteration or maintenance of piping for petroleum tanks and related pumping equipment only.

(d) Limited plumbing-piping journeyman's license (P-8).

The requirements for examination for this license shall be one (1) year as a registered apprentice or equivalent experience and training. This license permits the installation, repair, replacement, alteration or maintenance of piping for petroleum tanks and related pumping equipment only and only while in the employ of a contractor licensed for such work.

(e) Limited plumbing-piping contractor's license (J-1).

The holder of this license may perform only work limited to domestic water pumps and water conditioning. The requirements to qualify for this license examination shall be two (2) years as a journeyman or equivalent experience and training.

(f) Limited plumbing - piping journeyman's license (J-2). The holder of this license may perform only work limited to domestic water pumps and water conditioning and only while in the employ of a contractor licensed for such work. The requirements to qualify for this license examination shall be the completion of a registered apprenticeship program or equivalent experience and training.

(g) Contractor - limited to water, sewer and storm lines (P-7).

The requirements for examination for this license shall be two (2) years as a journeyman or equivalent experience and training. This license permits the installation, repair, replacement, alteration or maintenance of piping limited to water, sewer and storm lines from the point of utility responsibility to a point immediately inside a structure.

(h) Journeyman - limited to water, sewer and storm lines (P-6).

The requirements for examination for this license shall be the completion of a registered one-year apprenticeship program or equivalent experience and training. This license permits the installation, repair, replacement, alteration or maintenance of piping limited to water, sewer and storm lines from the point of utility responsibility to a point immediately inside a structure and only while in the employ of a contractor licensed for such work.

(i) Contractor-limited to lawn sprinkler work (J-3).

The requirements for this license shall be two (2) years as a journeyman or equivalent

## Plumbing Mechanic (P-2) 862.381.030

The following schedule of work experience is intended as a guide. It need not be followed in any particular sequence, and it is understood that some adjustments may be necessary in the hours allotted for different work experience. In all cases, the apprentice is to receive sufficient experience to become fully competent and use good workmanship in all work processes which are a part of the trade. The apprentice will be fully instructed in safety and OSHA requirements. PLEASE NOTE: Connecticut Occupational Licensing Regulations require a minimum number of O.J.T. years (*calendar time*) as expressed below.

- A. Orientation and Safety (100 HOURS)
- B. Waste - Stacks - Vents (1700 HOURS)
- C. Water Piping (Hot & Cold) Installation, Maintenance, Repair (1700 HOURS)
- D. Fixtures Installation, Maintenance, Repair (2000 HOURS)
- E. Pipe/Tube Work Installation, Maintenance, Repair (1500 HOURS)
- F. Process Piping - Misc. Installation, Maintenance, Repair (600 HOURS)
- G. Welding/Brazing (100 HOURS)
- H. Basic Knowledge - Associated Trades (300 HOURS)

**TOTAL = 8000 HOURS**

- I. RELATED INSTRUCTION = 576 HOURS
- Minimum O.J.T Years = 4

### WAGE SCHEDULE

0 - 1000	Hours	_____
1001 - 2000	Hours	_____
2001 - 3000	Hours	_____
3001 - 4000	Hours	_____
4001 - 5000	Hours	_____
5001 - 6000	Hours	_____
6001 - 7000	Hours	_____
7001 - 8000	Hours	_____
Journeyperson Rate		_____

## **P-2 Plumbing Apprenticeship**

<b>COURSES (EACH COURSE IS 36 HOURS)</b>	<b>Course number</b>
<b>FIRST YEAR COURSES:</b>	
Basic Math Computations	A0001
Blueprint Reading	A0031
Intro to Plumbing	A0700
OSHA-30 (eff. 9/1/13)	A0099
Plumbing Math	A0014
<b>SECOND YEAR COURSES:</b>	
Brazing, Cutting and Metallurgy	A2113
Drain Waste Vent I	A0706
Drain Waste Vent II	A0746
Gasoline Tank, Piping and Pump	A0749
Sewer, Storm and Water Lines	A0754
<b>THIRD YEAR COURSES:</b>	
Water Supplies	A0705
Wells, Pumps and Piping I	A0750
Plumbing Code Part I	A0711
Fixtures, Appliances and Installation	A0708
Wells, Pumps and Piping II	A0751
<b>FOURTH YEAR COURSES:</b>	
Water Treatment	A0752
International Mechanical Code	A0729
Special Piping	A0709
Plumbing Code Part II	A0741
Related Codes and Standards	A0730

## **P-6 Sewer Storm & Water Apprenticeship**

<b>COURSES (EACH COURSE IS 36 HOURS)</b>	<b>Course number</b>
<b>FIRST YEAR COURSES:</b>	
Basic Math Computations	A0001
OSHA-30 (eff. 9/1/13)	A0099
Blueprint Reading	A0031
Sewer, Storm and Water Lines	A0754
Plumbing Code II	A0741

## **P-8 Gasoline Tank Piping Apprenticeship**

<b>COURSES (EACH COURSE IS 36 HOURS)</b>	<b>Course number</b>
<b>FIRST YEAR COURSES:</b>	
Basic Math Computations	A0001
OSHA-30 (eff. 9/1/13)	A0099
Blueprint Reading	A0031
Gasoline Tank, Piping and Pump	A0749