**Section 750.550 Programs of Instruction and Practical Training in Plumbing Approved as Equivalent to Illinois Licensed Apprenticeship**

A program of instruction and practical training in plumbing that is approved as equivalent to four years of an Illinois licensed apprenticeship shall cover the following subject areas and provide the number of hours of instruction and practical training specified in this Section. An approved course of instruction shall total 2,800 hours of credit.

|  |  |
| --- | --- |
| Subject | Hours of Instruction |
|  |  |
| Public health and its relationship to plumbing | 140 |
|  |  |
| State of Illinois Plumbing License Law | 24 |
|  |  |
| Administration and enforcement | 40 |
|  |  |
| Licensing of apprentice plumbers and plumbers | 16 |
|  |  |
| Illinois Plumbing Code requirements | 20 |
|  |  |
| Plumbing inspection | 30 |
|  |  |
| Basic principles of plumbing | 40 |
|  |  |
| Job safety | 52 |
|  |  |
| Sciences of pneumatics and hydraulics as they apply to plumbing | 60 |
|  |  |
| Use and care of tools and equipment | 16 |
|  |  |
| Plumbing materials, fixtures and equipment | 100 |
|  |  |
| Joints and connections | 81 |
|  |  |
| Water supply and distribution system | 120 |
|  |  |
| Indirect waste piping and special wastes | 90 |
|  |  |
| Hangers and separators | 20 |
|  |  |
| Interceptors and separators | 40 |
|  |  |
| Traps and cleanouts | 42 |
|  |  |
| Drainage system | 110 |
|  |  |
| Vents and venting systems | 134 |
|  |  |
| Soldering, welding, caulking and wiping | 128 |
|  |  |
| Cast iron plumbing system, including Durham system | 155 |
|  |  |
| Copper material plumbing system | 150 |
|  |  |
| Glass material plumbing system | 40 |
|  |  |
| Plastics and thermoplastics material plumbing system | 60 |
|  |  |
| Alternate plumbing system | 55 |
|  |  |
| Solar plumbing systems | 40 |
|  |  |
| Hot water systems and water heaters | 90 |
|  |  |
| Safety devices allied with a plumbing system | 50 |
|  |  |
| Pumping of waste | 63 |
|  |  |
| Handling and disposition of wastes that would damage a plumbing system and waste disposal facilities | 120 |
|  |  |
| Inspection and testing of a plumbing system | 120 |
|  |  |
| Private sewage disposal systems, municipal or public sewage disposal systems or sanitary districts | 120 |
|  |  |
| Public and private water supply systems | 134 |
|  |  |
| Planning and designing a plumbing system including estimating, installation, repair, maintenance, alteration, extension and dismantling | 300 |

(Source: Amended at 38 Ill. Reg. 19715, effective September 23, 2014)