

Profile Chart: Steamfitter-Pipefitter

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| Block A: LEVEL 1 (9 Weeks) | A1 Orientation I: The Structure and Scope of Steamfitter-Pipefitter Trade Learning Level: 1 Hours: 7 | A2 Trade Safety Awareness Level: 1 Hours: 7 | A3 Tools and Equipment Level: 1 Hours: 15 | A4 Access Equipment Level: 1 Hours: 5 | A5 Communications and Trade Communication Level: 1 Hours: 7 |
| | A6 Hoisting, Lifting and Rigging Level: 1 Hours: 12 | A7 Mathematics/Science I Level: 1 Hours: 40 | A8 Pipe, Tube and Tubing Fundamentals Level: 1 Hours: 21 | A9 Piping Valves Level: 1 Hours: 10 | A10 Copper Tube and Tubing Level: 1 Hours: 32 |
| | A11 Plastic Piping Level: 1 Hours: 12 | A12 Black Iron Piping Level: 1 Hours: 65 | A13 Drawings and Blueprints Level: 1 Hours: 30 | A14 Introduction to Welding, Fuel Brazing and Cutting Level: 1 Hours: 22 | A15 Gas Code Level: 1 Hours: 20 |
| | A16 Electrical Level: 1 Hours: 10 | | | | |
| Block B: LEVEL 2 (9 Weeks) | B1 Industrial Drawings Level: 2 Hours: 30 | B2 Template Development Level: 2 Hours: 20 | B3 Spool and Fitting Fabrication Level: 2 Hours: 22 | B4 Advanced Hoisting, Lifting, and Rigging Level: 2 Hours: 14 | B5 Stainless Steel Piping Level: 2 Hours: 18 |
| | B6 Fiberglass Piping Level: 2 Hours: 3 | B7 Specialty Piping Level: 2 Hours: 21 | B8 Hydronic Systems Level: 2 Hours: 91 | B9 Hydronic Systems Controls Level: 2 Hours: 27 | B10 Cross Connection Controls Level: 2 Hours: 7 |
| | B11 Mathematics/ Science II Level: 2 Hours: 40 | B12 Arc welding Level: 2 Hours: 22 | | | |
| Block C: LEVEL 3 (9 Weeks) | C1 Low Pressure Steam Systems Level: 3 Hours: 55 | C2 High Pressure Steam Systems Level: 3 Hours: 79 | C3 Condensate Return Systems Level: 3 Hours: 37 | C4 Hydraulic Systems Level: 3 Hours: 13 | C5 Compressed Air Systems Level: 3 Hours: 14 |
| | C6 Medical Gas and Gas Piping Systems Level: 3 Hours: 7 | C7 Mathematics /Sciences III (includes heat load calculations, fan laws, & pumps) Level: 3 Hours: 40 | C8 Refrigeration Systems Level: 3 Hours: 15 | C9 Gas Code II Level: 3 Hours: 25 | C10 Electrical II Level: 3 Hours: 30 |
| Block D: LEVEL 4 (8 Weeks) | D1 Process Piping Systems Level: 4 Hours: 77 | D2 System Testing and Commissioning Level: 4 Hours: 20 | D3 Quality Control Level: 4 Hours: 10 | D4 Job Planning Level: 4 Hours: 10 | D5 Gas Code III Level: 4 Hours: 25 |
| | D6 Electrical III Level: 4 Hours: 30 | D7 Maths/Sciences IV Level: 4 Hours: 40 | D8 National Requirements Review Level: 4 Hours: 68 | | |

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| Block E: LEVEL 5 (10 Weeks) | E1 Gas/Safety Control Requirements Level: 5 Hours: 35 | E2 Supply Air/Venting Permit Requirements Level: 5 Hours: 34 | E3 Gas Burning Equip. and Materials Determination/ Burner Orifice Sizing/ Conversion Work Level: 5 Hours: 38 | E4 Longest Run/Gas Burn Equip. BTUH Input Demand, Systems/ Pipe Size Determination/ Pressure/Measurement .. Level: 5 Hours: 42 | E5 Tests/Inspects Piping and Gas Appliance Efficiency |
| | E6 Electrical Requirements Level: 5 Hours: 105 | E7 Orientation II: The Job of Journeywork Level: 5 Hours: 14 | E8 Applied Trade Projects Level: 5 Hours: 35 | E9 Alternate Fuel Systems Level: 5 Hours: 14 | |