



Plumber/Sprinkler Fitter Fundamentals

Youth Apprenticeship

PLUMBER/SPRINKLER FITTER FUNDAMENTALS

Plumber/Sprinkler Fitter youth apprentices gain skills related to the use of plumbing safety, drawings and blueprints, materials, tools, materials, and general worksite procedures. Apprentices must adhere to industry safety and security standards.

Length of Apprenticeship: One or two years

OCCUPATIONAL COMPETENCIES

Year 1: Plumber/Sprinkler Fitter youth apprentices must complete **a total of 15** competencies. **Fourteen** of the 15 Plumber/Sprinkler Fitter competencies listed below must be complete. Employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment. Year 1 competencies are completed with employer guidance.

Youth Apprentices must also complete the following during Year 1:

- First Aid Certification
- Occupational Safety and Health Administration (OSHA) 10 or 30 Certification

Year 2: Plumber/Sprinkler Fitter youth apprentices must complete **a total of 15** competencies. **Fourteen** of the 15 Plumber/Sprinkler Fitter competencies listed below must be complete. Employers can substitute **1** competency with one other occupationally appropriate skill. That skill should be added to the competency list for assessment. Competencies are completed with minimal employer guidance. Substitution must be added to the competency list for assessment.

Select construction type and circle the applicable year:

- Residential completed during Year: One and/or Two
- Commercial completed during Year: One and/or Two

Note that where necessary, skills can be simulated.

Plumber/Sprinkler Fitter Competencies
<ol style="list-style-type: none">1. Follow safety procedures2. Read construction drawings and plans3. Interpret symbols and procedures4. Contribute to a job task plan5. Work as a member of a construction team6. Prepare work area for construction7. Select construction materials8. Use hand and light duty tools9. Use power tools and equipment10. Perform materials handling

11. Install materials per job specifications
12. Perform construction measurements
13. Maintain a clean and safe work area
14. Clean up job site
15. Practice quality craftsmanship

APPRENTICESHIP BRIDGING OPPORTUNITIES

Some of the related instruction courses can bridge into the following registered apprenticeship:

- Plumber
- Sprinkler Fitter