

FITTERS PATHWAY UPDATE

Steel Fabricators Council Meeting



Fitter Student Profile and Pathway

- Ideal candidates have advanced math skills and exceptional spatial awareness
- Graduates become Fitter Trainee / Apprentice
- Will need additional on-the-job training
- Work closely with experienced fitter / mentor
- Companies want trainees who will stay on after training to move into full-time positions
- Separate branch of Fabrication Pathway—not a progression from welder

Fitter Training – Academic Skills

- Applied Math
 - Calculations using feet and inches, fractions
- Trigonometry
 - students must be able to solve for angles, calculate circumferences, etc.
- Blueprint reading (advanced)
- Measurement, tolerance, and related tools
- Use of tape measures, compasses, protractors, etc.
- Problem solving and troubleshooting

Fitter Training – Industry Skills

- Machine operation, particularly press brakes
- Basic welding
- Nomenclature used in the steel fabrication sector: beam, channel, pipe, tube, etc.

Fitter Training – Occupational Skills

- How to assemble structural steel using a blueprint
- How to tack steel pieces in place
- How to move and manipulate steel plates using sheet dogs, wedges, and other tools
- How to apply pressure, heat, etc., to manipulate steel
- How to create a jig to hold an assembly of parts together for production of identical pieces

Fitter Training Overview

- 9-12 Months
- Non-Credit Certificate
- Include exposure to various disciplines and tools through videos, presentations
- Work-Based Learning opportunities needed
- Recommended Provider: ASU-Mid South

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