

SHEET METAL

Core Curriculum (a pre-requisite to all craft courses)

72.5 Hours

Consists of:

Basic Safety, Introduction to Construction Math; Introduction to Hand Tools, Introduction to Power Tools, Introduction to Blueprints, Basic Rigging

Level One

80 Hours

Consists of:

Introduction to the Sheet Metal Trade; Tools of the Trade; Fasteners, Hangers, and Supports; Installation of Air Distribution Accessories; Insulation; Introduction to Sheet Metal Layout and Processes; Trade Math One; Fabrication One-Parallel Line Development

Level Two

165 Hours

Consists of:

Trade Math Two; Basic Piping Practices; Fabrication Two: Radial Line Development; Bend Allowances; Blueprints and Specifications; Air Properties and Distribution; Sheet Metal Duct Fabrication Standards; Soldering; Fiberglass Duct (*elective*)

Level Three

160 Hours

Consists of:

Trade Math Three: Field Measuring and Fitting; Airside Systems; Introduction to Welding, Brazing, and Cutting; Principles of Refrigeration; Principles of Air Flow; Comprehensive Blueprint and Specification Reading; Fabrication Three: Triangulation; Architectural Sheet Metal (*elective*)

Level Four

152.5 Hours

Consists of:

Shop Production and Organization; Air Balance; Fabrication Four-Comprehensive Review; Louvers, Dampers and Access Doors; Hoods and Ventilators; Fume and Exhaust Systems Design