

## **MASSACHUSETTS SHEET METAL APPRENTICE**

### **Sheet Metal Journeyman License Requirements\***

- Unrestricted License
  - High School Diploma or its equivalent
  - 750 classroom hours
  - 8,000 field hours
- Restricted License
  - High School Diploma or its equivalent
  - 450 classroom hours
  - 4,800 field hours

**\*All Sheet Metal apprentices MUST apply for an apprentice license through the Board of Examiners of Sheet Metal Workers.**

## **BOARD OF EXAMINERS OF SHEET METAL WORKERS**

Address: One Federal Street, Suite 600  
Boston, MA 02110

Phone: (617) 727-3022

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### **SHEET METAL 1**

#### **Course Curriculum Areas of Study:**

- Basic Safety
- Introduction to Construction Math
- Introduction to Hand Tools
- Introduction to Power Tools
- Introduction to Construction Drawings
- Basic Rigging
- Basic Communication Skills
- Basic Employability Skills
- Introduction to Materials Handling
- Introduction to the Sheet Metal/HVAC Trades
- Introduction to M.G.L. c. 112, s. 237-251 and 271 CMR
- Tools of the Trade and Installation Ductwork

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### **SHEET METAL 2**

#### **Course Curriculum Areas of Study:**

- Safety Review
- Trade Math 104
- Shop Production and Organization
- Installation of Air Distribution Accessories
- Air Systems
- Duct Fabrication Standards
- Introduction to Layout
- Fabrication I - Parallel Line Development
- Fabrication II - Radial Line Development
- Hands-on Shop Fabrication

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### **SHEET METAL 3**

#### **Course Curriculum Areas of Study:**

- Trade Math II
- Introduction to Supervisory Skills
- Air Properties and Distribution
- Principles of Airflow
- Air Testing and Balancing
- Fabrication III - Triangulation
- Plans and Specifications
- Hands-on Shop Fabrication

\*It is required that all students enrolled in Sheet Metal 4 obtain a copy of the NFPA Code 90A, 90B, 92, & 96.

## **SHEET METAL 4\***

### **Course Curriculum Areas of Study:**

- Massachusetts Uniform Sheet Metal Code
  - Trade Math III - Field Measuring
  - Comprehensive Plan and Specification Reading
  - Soldering
  - Architectural Sheet Metal
  - Louvers, Dampers and Access Doors
  - Fabrication IV - Comprehensive Review
  - Hands-on Shop Fabrication
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## **SHEET METAL 5**

### **Course Curriculum Areas of Study:**

- Trade Math - Estimating
- Fume Exhaust Design
- Introduction to Welding, Brazing and Cutting
- Advanced Architectural Sheet Metal
- Hands-on Shop Fabrication
- Exam Review and Preparation