



### **MODULE 00101-00 – BASIC SAFETY**

1. Identify the responsibilities and personal characteristics of a professional craftsman.
2. Explain the role that safety plays in the construction crafts.
3. Describe what job-site safety means.
4. Explain the appropriate safety precautions around common job-site hazards.
5. Demonstrate the use and care of appropriate personal protective equipment.
6. Follow safe procedures for lifting heavy objects.
7. Describe safe behavior on and around ladders and scaffolds.
8. Explain the importance of the HazCom (Hazard Communication Standard) requirement and MSDSs (Material Safety Data Sheets).
9. Describe fire prevention and fire fighting techniques.
10. Define safe work procedures around electrical hazards.

### **MODULE 00102-00 – BASIC MATH**

1. Add, subtract, multiply, and divide whole numbers, with and without a calculator.
2. Use a standard ruler and a metric ruler to measure.
3. Add, subtract, multiply, and divide fractions.
4. Add, subtract, multiply, and divide decimals, with and without a calculator.
5. Convert decimals to percents and percents to decimals.
6. Convert fractions to decimals and decimals to fractions.
7. Explain what the metric system is and how it is important in the construction trade.
8. Recognize and use metric units of length, weight, volume, and temperature.
9. Recognize some of the basic shapes used in the construction industry and apply basic geometry to measure them.

### **MODULE 00103-00 – INTRODUCTION TO HAND TOOLS**

1. Recognize and identify some of the basic hand tools used in the construction trade.
2. Use these tools safely.
3. Describe the basic procedures for taking care of these tools.

### **MODULE 00104-00 – INTRODUCTION TO POWER TOOLS**

1. Identify commonly used power tools of the construction trade.
2. Use power tools safely.
3. Explain how to maintain power tools properly.

## **MODULE 00105-00 – INTRODUCTION TO BLUEPRINTS**

1. Recognize and identify basic blueprint terms, components, and symbols.
2. Relate information on blueprints to actual locations on the print.
3. Recognize different classifications of drawings.
4. Interpret and use drawing dimensions.

## **MODULE 00106-00 – BASIC RIGGING**

1. Identify and describe the use of slings and common rigging hardware.
2. Describe the basic inspection techniques and rejection criteria used for slings and hardware.
3. Describe the basic hitch configurations and their proper connections.
4. Describe basic load-handling safety practices.
5. Demonstrate proper use of American National Standards Institute (ANSI) hand signals.