

# Important Notice to Students

## Safety Equipment for Industrial Trade Programs

Personal Protection Equipment (hard hats, safety glasses and work boots) is required to be worn in all College trade shops and field sites. Safety Traffic Vests are also required for programs with moving vehicles/equipment. All Personal Protection Equipment must meet the standards outlined below. These standards are compliant with the Occupational Health & Safety guidelines for the province of Newfoundland and Labrador.

It is recommended that students purchase the Hard Hats, Safety Glasses and Safety Traffic Vests at the College Bookstore to ensure that their equipment complies with OH&S standards. If equipment is purchased elsewhere then students must provide documentation to confirm that the equipment meets the standards outlined below.

Students are responsible for purchasing their own work boots from an outside vendor. The boots must also meet the standards outlined below.

No student will be permitted in a College shop or field site without approved safety equipment. The following equipment meets the standards set by OH&S guidelines for the province of Newfoundland and Labrador.

### **Hard Hat**

All-purpose lateral impact hard hat with foam liner, HDPE outer shell grooved for rigidity, rain trough and accessory slots, ratchet suspension, with forehead comfort band and crown pad, Hard Hat suspension with a 4-point nylon web cradle with three-level height adjustment. **(CSA Z94.1-05, Type 2 Class E)**

### **Welder, Steamfitter/Pipefitter Hard Hat**

Use of approved helmets such as the Fibre Metal SE2Q sensor model is mandatory in all welding shops. This helmet must provide full head protection in all directions and have a Quick Loc attachment system installed at the factory for supporting different face shields.

### **Safety Glasses: Lightning, Black Frame, Clear lens**

Safety glasses must have high base panoramic lens for a wide unobstructed field of view. **(CSA Z94.3)**

### **Safety Traffic Vests:**

CSA standard / Class 2 - Level 2 - Meets Table 2B. Safety vests must be bright orange polyester mesh with 2" yellow reflective material - one 360 degree horizontal stripe around torso, 2 vertical stripes on front and X on back.

### **Work Boots:**

Students must supply their own work boots that must comply to CSA Z195.2 standards. While this is a large category for covering footwear protection, students should have the following symbols on their work boots.



Green triangle indicates sole puncture protection with a Grade 1 protective toe to withstand impacts up to 125 Joules. Comparable to a 22.7 kg (50 lb) weight dropped from 0.6 m Sole puncture protection is designed to withstand a force of not less than 1200 Newtons (270 lbs) and resist cracking after being subjected to 1.5 million flexes. The recommended use of this type of footwear is for any industry especially construction and heavy work environments where sharp objects such as nails and fasteners are present.



White rectangle with orange Greek letter omega indicates soles that provide resistance to electric shock. Such certified footwear contains a sole and heel design assembly that, at the point of manufacturing, has electrical insulating properties intended to withstand 18,000 Volts and a leakage current not exceeding 1mA. Boots in this category are used where accidental contact with live wires may occur.