

# Computer Programming

**Purpose:** To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of computer programming.

**Clothing:** Acceptable work clothes, safety glasses with side shields or goggles. (Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)

**Contestants:** 3 per region, determined by regional event

**Tools/equipment to be provided by each contestant:**

- a. #2 pencils (sharpened)
- b. Computer
- c. Visual Basic, C++, or Java software
- d. One Coding Manual for the language they will use
- e. Printer and paper

**Schedule for the day:**

1. Written Test on Basic Computer Terminology – 30 minutes
2. One or two practical programming scenarios. Scenarios will be set up based on Technical Standards. Judges will grade operation of the program and then ask students to print out code for review and efficiency. (2 hrs.)
3. Interview – Based on Technical Standards.

**Scope of the Contest**

The contest will be judged based on the criteria established in the 2010 SkillsUSA Championships Technical Standards.