



# Computer Programming

## Career Competition

**Career Cluster:** Information Technology/ Business Management and Administration/ Finance

**State Qualifying Event:** Yes

**National Contest:** Yes

**Participation:** Individual

### Competition Description

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

### Tasks To Be Evaluated

This competition consists of project coding and output, a skill-related written test and an interview. Each project's specifications are written for Java, C, C++, C#, Python, Ruby, JavaScript, PHP, Objective-C, and SQL.

### Clothing Requirement

#### National Requirement:

**Class E:** Competition Specific: Business Casual

Attire

- Official SkillsUSA white polo shirt
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.

#### State Requirement:

National Requirement OR

- White polo shirt or button-down dress shirt (other colored polo/dress shirt will be subject to deductions)
- Black dress slacks or black dress skirt (knee-length minimum)
- Black, closed-toe dress shoes.
- Any embroidered names or school patches must be covered, if applicable.

### Provided by Competitor

- Desktop computer/ monitor or laptop
- Software to write and run code in competitor's programming language of choice.
- One copy only of the coding reference manual of the language in which they will code the program
- Ballpoint pens or sharpened pencils
- Blank notebook paper
- One 6' multiple outlet surge protector
- One-page resume.

### Provided by Technical Committee

- Printer
- Programming instructions
- Timing and judges' procedures