

(330) C# Programming

Certiport Parental Consent Form
REQUIRED

Description & Eligibility

Evaluate knowledge of working with C# syntax, programming logic, program development, system design concepts, databases, designers, and objects. This contest will be graded on the Windows operating system; therefore, Unix/Linux should *not* be used. Any postsecondary or secondary division contestant may enter this application event.

Contestant Must Supply

- Published and/or unpublished non-electronic written reference materials
- Computer or laptop/notebook (USB-Type A or adapter required); a full-size keyboard may be used (no printer is needed) and supporting equipment (extension cords, etc.)
- Contestant must use one of these IDEs: Visual Studio 2022, Visual Studio Code
- Only pre-written code that is hard copied is allowed.

Competition Notes

- Method of evaluation: application.
- Carry-in and setup of equipment must be done solely by the contestant and within the time allotted.
- Business Professionals of America assumes no responsibility for hardware/software provided by the contestant.
- No equipment, supplies or materials other than those specified for the event will be allowed in the testing area.
- Previous Business Professionals of America tests and/or sample tests (handwritten, photocopied or keyed) may not be taken into the testing area. **Violation of this rule will result in disqualification.**
- At NLC, contestants will take IT Specialist - Software Development certification as part of the event. Contestants passing this certification will have 50 points added to their event score. A Certiport profile must be created at www.certiport.com before attending NLC. Contestants must include their BPA contestant ID in their Certiport profile when they register. For more information on the exam, visit www.certiport.com. Reference materials are not allowed for certification testing.
- Length of event: no more than ten (10) minutes orientation, no more than ninety (90) minutes testing time, no more than ten (10) minutes wrap-up.
 - No more than one hundred twenty (120) minutes for certification test.
- Entries vary by state.

Contest Competencies

- Demonstrate knowledge of object-oriented concepts and techniques
- Demonstrate understanding of general computer concepts and computer language
- Use structured design techniques, algorithms, and object-oriented concepts
- Understand and implement UML diagrams
- Create a program/GUI using variables, looping, controls, logical operations, calculations, classes, totals, file access, data structures, sorting, selection statements, and I/O operations