

## Introduction to programming in C#

### Group Training

Training code	CGAICSHPCE
Spoken Language	English
Language Materials	English
Dayparts	6
Price	€2.100,00 excl. VAT No extra costs.

### What is Introduction to programming in C#

The focus will be on essential programming concepts such as computer storage, data types, decision structures and iteration through loops. The training also covers an introduction to objectoriented programming related to classes, encapsulation, inheritance and polymorphism. Attention is also paid to exception handling, application security, performance and memory management.

Module 1: Introduction to Essential Programming Concepts

Module 2: Essential Programming Language Concepts

Module 3: Program Flow

Module 4: Algorithms and data structures

Module 5: Error Handling and Debugging

Module 6: Introduction to Object Oriented Programming

Module 7: More ObjectOriented Programming

Module 8: Introduction to Application Security

Module 9: Core I/O Programming

Module 10: Application Performance and Memory Management

### Who should attend Introduction to programming in C#

This course is intended for anyone new to software development who wants or needs to gain an understanding of programming fundamentals and object- oriented programming concepts. These are usually high school, post- secondary, or career changers, with no prior programming experience. They may want to understand the basics of programming before moving on to more advanced training courses such as 20483B: Programming in C#.

### Prerequisites



To get the most out of this course, you need to:

- You don't need any programming experience.
- Start general computing, such as opening, saving, and navigating interfaces.
- The ability to understand logical concepts such as equations
- The ability to create, understand and follow procedures.
- The ability to understand and apply abstract concepts to concrete examples

During this training you need a laptop on which you can install software: Visual Studio Code + C# extension.

## Objectives

After completing this course you will be able to:

- Create Windows desktop applications with the programming language in C#.

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