

Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975)

Category: Developer

Duration: 40.00 hours (5 days)

32.5 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Introduction to Programming & Coding | C# .Net Basics for Non-Developers is a skills-focused, hands-on coding course that teaches students the fundamentals of programming object oriented (OO) applications with C#.Net to a basic level, using sound coding skills and best practices for OO development. This course is presented in a way that enables interested students from any background to embrace the fundamentals of coding as well as an introduction to C#.Net and Visual Studio, in a gentle paced environment that focuses on coding basics, moving at the comfort level of the attendees. Students are introduced to the application development cycle, structure of programs, and specific language syntax. The course also contains 'Thinking Like a Programmer' sections that provide students insight on how to develop common algorithms. The course covers console and file I/O, string and character manipulation, managing data using collections and fundamental object-oriented programming concepts. Error handling techniques are also emphasized. The course also introduces how to access databases using .NET and illustrates how to build user interfaces using Windows Forms. Comprehensive hands on exercises are integrated throughout to reinforce learning and develop real competency. Students will leave this course armed with the required skills to begin their journey as a .Net programmer using modern coding skills and technologies. This course provides students with a solid foundation for continued .Net programming training and skills development.

About This Course

Introduction to Programming & Coding | C# .Net Basics for Non-Developers is a skills-focused, hands-on coding course that teaches students the fundamentals of programming object oriented (OO) applications with C#.Net to a basic level, using sound coding skills and best practices for OO development. This course is presented in a way that enables interested students from any background to embrace the fundamentals of coding as well as an introduction to C#.Net and Visual Studio, in a gentle paced environment that focuses on coding basics, moving at the comfort level of the attendees. Students are introduced to the application development cycle, structure of programs, and specific language syntax. The course also contains 'Thinking Like a Programmer' sections that provide students insight on how to develop common algorithms. The course covers console and file I/O, string and character manipulation, managing data using collections and fundamental object-oriented programming concepts. Error handling techniques are also emphasized. The course also introduces how to access databases using .NET and illustrates how to build user interfaces using Windows Forms. Comprehensive hands on exercises are integrated throughout to reinforce learning and develop real competency. Students will leave this course armed with the required skills to begin their journey as a .Net programmer using modern coding skills and technologies. This course provides students with a solid foundation for continued .Net programming training and skills development.

Who Should Attend

This course is intended for anyone who is new to software development and wants, or needs, to gain an understanding of the fundamentals of coding and basics of .Net and object-oriented programming concepts or anyone who wants to have a basic understanding of and learn how to code C# .Net / .Net Core applications and syntax. Attendees might include:

Anyone who wants exposure to basic coding skills, or who wants to begin the process of becoming an OO application developer

Technical team members from non-development roles, re-skilling to move into software and application development roles within an organization

Recent college graduates looking to apply their college experience to programming skills in a professional environment, or perhaps needing to learn the best practices and standards for programming within their new organization

Technical managers tasked with overseeing programming teams, or development projects

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Working within an engaging, hands-on learning environment led by our highly-experienced coding mentors, students will learn how to:

Using Visual Studio to create C# applications

Working with the .NET data types

Creating variables with the proper scope and using operators to build complex expressions

Using control structures such as if, while and for

Using procedures to build complex applications

Designing and using classes

Using arrays and .NET collections

Throwing and trapping exceptions using the C# try and catch statements

Using ADO.NET to access databases

Working with files and directories

Building simple Windows Forms applications

Building and using derived classes

Defining and implementing interfaces

Performing advanced string manipulation

Additional Course Details

Nexus Humans Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
 - Traditional Instructor-Led Classroom Training (ILT)
 - On-site delivery at your offices anywhere in United Kingdom
 - Private dedicated courses customized for your team
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Q: How many CPD hours does this course provide?

The 5-day Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975)?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Introduction to Programming in C# / .Net Core Basics for Non-Developers (TTCN10975) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

Professional Training & Development

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