

# Programming in C# | Creating Apps in C# and .Net Core (TTCN20483)

**Category:** Developer

**Duration:** 40.00 hours (5 days)

**32.5 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Classroom

## Course Overview

C# Web Developer / Developing ASP.Net Core MVC Web Applications is an intensive, hands-on training course, essential for experienced developers seeking instruction in creating web applications in C# & .Net Core. Throughout the course web developers will learn to develop advanced ASP.NET Core MVC applications using .NET Core tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application This independent course aligns with the topics and skills in Microsoft Official Curriculum (MOC) course 20486.

## About This Course

C# Web Developer / Developing ASP.Net Core MVC Web Applications is an intensive, hands-on training course, essential for experienced developers seeking instruction in creating web applications in C# & .Net Core. Throughout the course web developers will learn to develop advanced ASP.NET Core MVC applications using .NET Core tools and technologies. The focus will be on coding activities that enhance the performance and scalability of the Web site application This independent course aligns with the topics and skills in Microsoft Official Curriculum (MOC) course 20486.

## Who Should Attend

---

This course is intended for professional web developers who use Microsoft Visual Studio in an individual-based or team-based, small-sized to large development environment. Candidates for this course are interested in developing advanced web applications and want to manage the rendered HTML comprehensively. They want to create websites that separate the user interface, data access, and application logic.

# Learning Outcomes

---

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

Our engaging instructors and mentors are highly experienced practitioners who bring years of current 'on-the-job' experience into every classroom. Working in a hands-on learning environment, guided by our expert team, attendees will learn to:

Describe the Microsoft Web Technologies stack and select an appropriate technology to use to develop any given application.

Design the architecture and implementation of a web application that will meet a set of functional requirements, user interface requirements, and address business models.

Configure the pipeline of ASP.NET Core web applications using middleware, and leverage dependency injection across MVC application.

Add Controllers to an MVC Application to manage user interaction, update models, and select and return Views.

Develop a web application that uses the ASP.NET Core routing engine to present friendly URLs and a logical navigation hierarchy to users.

Create Views in an MVC application that display and edit data and interact with Models and Controllers.

Create MVC Models and write code that implements business logic within Model methods, properties, and events.

Connect an ASP.NET Core application to a database using Entity Framework Core.

Implement a consistent look and feel across an entire MVC web application.

Write JavaScript code that runs on the client-side and utilizes the jQuery script library to optimize the responsiveness of an MVC web application.

Add client side packages and configure Task Runners.

Run unit tests and debugging tools against a web application in Visual Studio 2017.

Write an MVC application that authenticates and authorizes users to access content securely using Identity.

Build an MVC application that resists malicious attacks.

Use caching to accelerate responses to user requests.

Use SignalR to enable two-way communication between client and server.

Describe what a Web API is and why developers might add a Web API to an application.

Describe how to package and deploy an ASP.NET Core MVC web application from a development computer to a web server.

## Additional Course Details

---

Nexus Humans Programming in C# | Creating Apps in C# and .Net Core (TTCN20483) 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 Programming in C# | Creating Apps in C# and .Net Core (TTCN20483) 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 Programming in C# | Creating Apps in C# and .Net Core (TTCN20483)?**

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
- 

## **Q: How many CPD hours does this course provide?**

The 5-day Programming in C# | Creating Apps in C# and .Net Core (TTCN20483) 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 Programming in C# | Creating Apps in C# and .Net Core (TTCN20483) 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 Programming in C# | Creating Apps in C# and .Net Core (TTCN20483)?**

Yes, we provide corporate training, dedicated training, and closed classes for Programming in C# | Creating Apps in C# and .Net Core (TTCN20483). 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 Programming in C# | Creating Apps in C# and .Net Core (TTCN20483)?

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 Programming in C# | Creating Apps in C# and .Net Core (TTCN20483) 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

✉ Email: [info@nexushuman.com](mailto:info@nexushuman.com)

🌐 Website: [www.nexushuman.com](http://www.nexushuman.com)

☎ Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)