

C# 6 and .NET Core 1.0

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Prerequisites / Further Training

- [Introduction to Programming](#)
- [Beginner C#.NET](#) (C# Fundamentals and Object – Orientation)
- *Advanced C#.NET (Building practical Apps)*
- [SQL Querying](#) (Database design and querying)
- [ASP.NET CORE MVC](#) (Web App Development)
- ASP.NET Web API (More Web App Development)
- Entity Framework

Also have a look at our [.NET Bootcamp](#) and save

Intended Audience

This course provides a comprehensive foundation in the C# programming language and the core aspects of the .NET platform plus overviews of technologies built on top of C# and .NET (ADO.NET and Entity Framework, Windows Communication Foundation [WCF], Windows Presentation Foundation [WPF], and ASP.NET [WebForms, MVC, WebAPI]). Once you digest the information presented in course, you'll be in a perfect position to apply this knowledge to your specific programming assignments, and you'll be well equipped to explore the .NET universe further.

Day 1 topics are covered in review mode as these are covered in detail on the [C#.NET Beginner Course](#) – it is required and therefore assumed that you are up to speed on at least 66.7% of day 1 topics.

After this course you should be able to

- Understand the .NET Core platform and C# 6.
- Discover the ins and outs of the leading .NET technology.
- Find complete coverage of XAML, .NET Core and Visual Studio 2015 together with an overview of the new Windows Runtime
- Students will gain a solid foundation of object-oriented development techniques, attributes and reflection, generics and collections as well as advanced topics such as CIL opcodes and emitting dynamic assemblies.

Alignment

On the same level as Microsoft : [20483B](#) . View the [MCPD Course Schedules](#)

Further Training

[00 Analysis and Design](#)
[Design Patterns](#)
[ASP.NET Forms](#)

Course Material

Up to date course material is provided

Course info

DAY 1:

.NET CORE AND WINDOWS RUNTIME

- .NET Compiler Platform
- Testing
- Diagnostics and Application Insights
- Tasks and Parallel Programming
- Task Synchronization

DAY 2:

- Files and Streams

- Continues
- Security
- Networking
- Composition
- XML and JSON
- Localization

DAY 3 : WINDOWS APPS

- Core XAML
- Styling XAML Apps
- Patterns with XAML Apps
- Windows Apps: User Interfaces
- Advanced Windows Apps
- Windows Desktop Applications with WPF
- Creating Documents with WPF
- Deploying Windows Apps

DAY 4:

- WEP APPS AND SERVICES
- ADO.NET
- Entity Framework Core
- Windows Services
- ASP.NET Core

DAY 5:

- ASP.NET MVC
- ASP.NET Web API
- WebHooks and SignalR
- Windows Communication Foundation
- Deploying Websites and Services

Duration and pricing

- Full-time over 5 days (R9995)
- Part-time over 4 weeks (2 nights per week, 3 hour sessions) (R11995)

- Part-time over 8 Saturdays, 3 hour sessions (R11995)
- Please note : For part-time courses we do not have a fixed schedule and you will be placed on a waiting list until we get a group of 4+ together. Please book with no dates on the bookings form. This will automatically put you on the waiting list. We will confirm with you as soon as we have a part-time group together.
- "[Distance Learning](#)" over up to 3 months (R9995)
- International exams are not included in the course price.
- Prices exclude Vat for Vat-registered companies

Certificate

- Upon completion of this course we will issue you with attendance certificate to certify your attendance and / or completion of the prescribed minimum examples.
- You may sit for our competency assessment test and on passing you will obtain our competency certificate.
- Our competency assessment can be booked and taken by someone who has not attended the course at a cost of R2950.

Bookings

You can download the course registration form on our home page or by clicking [here](#)

Brochure

You may download a pdf copy of this page by clicking on the pdf icon at the top of the page.

Questions

Please [email us](#)

Schedule

On the calendar below. If your browser doesn't display the calendar below, please click on [this link](#) or try using [Google Chrome](#), alternatively please enquire via our [Contact Us](#) page.