

## .NET 8 Technologies («CFE»)

In this course you will learn how to use various technologies of the .NET framework in a targeted and efficient way.

**Duration:** 3 days

**Price:** 2'400.–

**Course documents:** Digicomp courseware

**Vendor code:** C#-70

## Content

In this course, you will learn several important foundational technologies of the current .NET framework. Modern CPUs have more and more processors, so developers need to master multithreading. Library and service APIs are increasingly asynchronous, so async and await must be used correctly. Background processes run in worker services, and we now use gRPC to communicate between processes. You will learn all of this and more in this course.

- Architecture of .NET
- Functional language elements of C#
- Configuration of .NET applications
- Reflection and dynamic programming
- Multithreading and Parallel Framework
- Asynchronous programming (async and await)
- Security and Cryptography
- Network programming
- Worker Services
- LINQ to XML
- Interprocess communication with gRPC (Google Remote Procedure Call)
- Unit Testing
- Regular Expressions

## Key Learnings

- Extend your knowledge to the fundamental .NET framework technologies
- More functional and efficient programs
- Immediate successful deployment of additional .NET technologies

## Target audience

This course is aimed at software developers who want to develop projects on the .NET platform.

## Requirements

Good C# or Visual Basic.NET skills as taught in the following courses:

- [.NET Framework Basics \(«CSA»\)](#)

## Further courses

- [Data access with .NET 8 \(«EFCORE»\)](#)
- [.NET Design Pattern Programming \(«CPP»\)](#)
- [Basics of web development with ASP.NET Core \(«CWG»\)](#)

## Any questions?

We are happy to advise you on +41 44 447 21 21 or [info@digicomp.ch](mailto:info@digicomp.ch). You can find detailed information about dates on [www.digicomp.ch/courses-software-engineering/programming/frameworks-libraries/course--net-8-technologies](https://www.digicomp.ch/courses-software-engineering/programming/frameworks-libraries/course--net-8-technologies)