

## ASP.NET Core

Cursusduur: 4 Dagen

Cursuscode: ASPNET

Trainingsmethode: Virtual Learning

---

### Beschrijving:

#### ASP.NET Core Course Overview

The ASP.NET Core course comprises sessions dealing with ASP.NET Core applications, MVC architecture (including writing models, views and controllers), entity frameworks, dependency injection, actions, Razor syntax, tag helpers, error handling, RESTful APIs, state management, testing, security and deployment.

Exercises and examples are used throughout the course to give practical hands-on experience with the techniques covered.

#### Virtueel en Klassikaal™

Virtueel en Klassikaal™ is een eenvoudig leerconcept en biedt een flexibele oplossing voor het volgen van een klassikale training. Met Virtueel en Klassikaal™ kunt u zelf beslissen of u een klassikale training virtueel (vanuit huis of kantoor) of fysiek op locatie wilt volgen. De keuze is aan u! Cursisten die virtueel deelnemen aan de training ontvangen voor aanvang van de training alle benodigde informatie om de training te kunnen volgen.

---

### Doelgroep:

Who will the Course Benefit?

---

### Doelstelling:

#### ■ Course Objectives

■ This ASP.NET Core course aims to provide the delegate with the knowledge to be able to produce web-based applications that make use of the most popular elements of the framework including MVC, Razor, Entity Framework, tag helpers, Blazor and Web API.

---

### Vereiste kennis en vaardigheden:

■ Delegates attending this course should have some previous programming experience with C#. This knowledge can be obtained by attendance on the pre-requisite C# Developer course.

---

## Cursusinhoud:

### ASP.NET Core Training Course Course Contents - DAY 1

#### Course Introduction

- Administration and Course Materials
- Course Structure and Agenda
- Delegate and Trainer Introductions

#### Session 1: INTRODUCING ASP.NET

- ASP.NET Core and ASP.NET Framework
- Application Architecture
- Development tools

#### Session 2: MODEL-VIEW-CONTROLLER (MVC) APPLICATIONS

- MVC and .NET
- Models
- Views
- Controllers
- Blazor

#### Session 3: ENTITY FRAMEWORKS

- Entity Framework Core
- Database Access
- Data Migration
- Lazy,Eager and Explicit Loading

#### Session 4: MODELS

- Implementing Models
- Using Forms
- Validating Data ASP.NET Core Training Course Course Contents - DAY 2

#### Session 5: DEPENDENCY INJECTION

- Configuration Injection
- Action Injection
- Constructor Injection
- Service Injection

#### Session 6: CONTROLLERS

- Controllers and Actions
- Configuring Routes with the Routing Table
- Configuring Routes with Attributes

#### Session 7: NAVIGATION

- Filtering
- Partial Views

#### Session 8: VIEWS

- Razor Markup Language
- Validating View Data
- View Components ASP.NET Core Training Course Course Contents - DAY 3

#### Session 9: TAG HELPERS

- HTML Helpers
- Tag Attributes
- Environment and Link Helpers

#### Session 10: SINGLE PAGE APPLICATIONS

- Razor Pages and SPAs
- Handling Static Content

#### Session 11: ERROR HANDLING

- Custom Error Pages
- Dealing with Custom Exceptions
- Filtering Errors

#### Session 12: RESTFUL APIS

- Web API and RESTful APIs
- HTTP Request and Response
- Web API Action Methods
- Consuming a Web API ASP.NET Core Training Course Course Contents - DAY 4

#### Session 13: STATE MANAGEMENT

- HTTP and State
- Using Cookies to Manage State
- Caching

#### Session 14: UNIT TESTING

- Using xUnit
- Testing Models
- Testing Controllers

#### Session 15: SECURITY

- Authentication and Authorisation
- Using Identity
- Adding Windows Security

#### Session 16: DEPLOYMENT OPTIONS

- Deploying to IIS
- Deploying to Azure

## Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

[info@globalknowledge.nl](mailto:info@globalknowledge.nl)

[www.globalknowledge.com/nl-nl/](http://www.globalknowledge.com/nl-nl/)

Iepenhoeve 5, 3438 MR Nieuwegein