KOENIG SOLUTIONS · COURSE OUTLINE

# Visual Studio 2022 Fundamentals

Learn to install, navigate and customise Visual Studio 2022 for editing, debugging and publishing applications across languages.

| 1 Day | 5 | 28 |
| --- | --- | --- |
| DURATION | MODULES | TOPICS |

## COURSE OVERVIEW

Introduction to Visual Studio 2022. By the end of this 1-day course, participants will have a solid foundation in using Visual Studio 2022 for their development projects. They will be familiar with the installation process, basic IDE navigation, code editing and debugging, collaboration tools, new features, and tips for effective development

## WHO THIS COURSE IS FOR

**Software Developers** | **Application Developers** | **.NET Developers** | **IT Support Staff** | **Development Team Members**

## LEARNING OBJECTIVES

- Describe Visual Studio 2022 editions and installation requirements
- Navigate the IDE and configure basic project structure
- Apply code formatting, IntelliSense and breakpoints when debugging
- Configure and run projects in C#, ASP.NET, Python and C++
- Identify extensions and NuGet packages that support development
- Apply IDE customisations such as themes, fonts and word wrap
- Explain Git integration for version control within the IDE
- Plan application publishing for various platforms and environments

COURSE SYLLABUS

# 5 Modules, 28 Topics

01

## Introduction to Visual Studio 2022

TOPICS

- Overview of Visual Studio 2022 and its significance
- Installation and system requirements
- Introduction, Features, Editions - Visual Studio 2022
- Install Visual Studio 2022 on Windows machine

02

## Getting Started with Visual Studio 2022

TOPICS

Introduction to the Visual Studio IDE · Creating a new project · Exploring the project structure · Basic IDE navigation and customization

03

## Working with Code in Visual Studio 2022

TOPICS

- Understanding the code editor
- Code formatting and IntelliSense
- Debugging and breakpoints
- Setup and Run C# Console Application on VS 2022
- Setup and Run ASP.NET on VS 2022
- Setup and Run Python on VS 2022
- Setup and Run C++ on VS 2022

04

## Extending Visual Studio 2022

TOPICS

- Introduction to Visual Studio extensions
- Exploring the Visual Studio Marketplace
- Installing and utilizing popular extensions for enhanced productivity
- Managing NuGet Packages

05

### Tips and Tricks for Effective Development

TOPICS

- Enable Dark Theme on VS 2022
- Change font size of text editor on VS 2022
- Change font family of Text Editor on VS 2022
- Set Word Wrap on VS 2022
- Change startup item on VS 2022
- Time-saving shortcuts and productivity hacks
- Introduction to Git integration and version control
- Publishing applications for various platforms and environments
- How to update Visual Studio

WHAT IS INCLUDED

## Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

## Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

## Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

## Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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