

# .NET Training: The Complete .NET Development Course (NFCOMP, 9 jours)

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## Description

The course The Complete .NET Development Course (.NET Training) is an exploration of modern development with C# & .NET (Core or Framework). The course begins with a discussion on .NET fundamentals including data types, namespaces, classes, inheritance, polymorphism, abstract classes, constructors & destructors. This is followed by an exploration of key .NET concepts such as collections, generics, files & streams and multi-threaded programming. The course concludes with a look at web application development with ASP .NET & database development with ADO .NET.

## Tarifs

- Tarification: \$6,600/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### The .NET Framework

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The Application Tiers: 1, 2 and 3-tiered Applications  
Strings, Globalization and Conversions  
Debugging  
Distributed Applications: Technology and Infrastructure  
Web Applications: Technology and Infrastructure.  
.NET Framework Versions and Capabilities  
The .NET Answer  
Assemblies and Namespaces  
The Visual Studio .NET Environment

### Object Oriented Analysis and Design

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The Rational Unified Process  
The Inception Phase  
The Elaboration Phase  
The Construction Phase  
The Transition Phase

### Object Oriented Analysis

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The Happy Video Store  
Identifying the Objects  
Identifying the Associations  
The Domain Model.  
The Happy Video Store Draft Domain Model  
Adding Attributes  
What Makes Good Software  
What Is An Object  
The Advantages of Object Oriented Programming  
Object Re-use  
Objects and Classes  
Identifying the Objects: Object Oriented Analysis  
Gathering Application Requirements  
Use Cases

### Object Oriented Design

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Going From Analysis To Design

UML Class Notation

Generalization

Aggregations

Collection Classes

The Final Class Diagram

The Rup and Ood

Creating Objects with VB .NET

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Proper Coding

Using Classes

Creating Classes

Class Properties

Object Methods

Constructors and Destructors

Destructors

Static Data

A Complete Object Example

Inheritance and Polymorphism

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Inheritance

Polymorphism

Abstract Functions and Classes

Interfaces

Common .NET Inheritance Examples

Working with Objects

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Working with Reference Types

Collections

Events

Design Patterns

File Io Operations

Serialization

Multi-threaded Programming

Web Application Development

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Internet Basics

Creating Web Controls

Caching Web Content

Tracing

XML Web Services Introduction

ASP .NET Fundamentals

Web Form Designer

Form Basics

Control Basics

Creating Forms

Basic Controls

Validation Controls

State Management

Database Programming

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ADO .NET Overview

Connections

Connected Data: SQL Statements

Connected Data: Stored Procedures

Using Transactions

Disconnected Data

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Using the Dataset Class

Change Management

Constraints and Relations

Updating the Database

Data Binding

XML Integration

Configuration and Deployment

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Application Configuration

Application Deployment

Visual Studio .NET Setup Projects