

# 50279 – Silverlight Development

**Vendor Course Code:** 50279

**Course Length:** 3 days

**Overview:** This three day instructor-led course provides students with the knowledge and skills to develop Microsoft Silverlight applications through a variety of available development tools and techniques. It introduces the new features and concepts being introduced with the new version of the technology. The course focuses on user interfaces, program structure and implementation details.

**Skills Gained:** After completing this course, students will be able to:

- Create a simple Silverlight 2/3 application based on the Visual Studio Silverlight application template.
- Use existing user controls to create a user interface and customise their templates and styles to provide an optimal user experience.
- Create Silverlight custom controls.
- Use data binding mechanisms to populate controls with a data.
- Consume existing WCF/Web services from Silverlight applications.
- Communicate with the Silverlight hosting environment (HTML DOM).

## Key Topics:

### Module 1.0: Introduction to Silverlight Development

- Overview of Silverlight and its place in .Net development.
- Silverlight XAML
- Xaml development tools including Microsoft Blend, Microsoft Visual Studio and XAMLPad.
- Using Xaml to define shapes.
- Using Xaml to define containers.
- Using Xaml to define text based controls.
- Xaml Content Controls
- Silverlight Toolkit
- Silverlight Event Model
- Transformations
- 3D Graphics and projections
- Animations
- Behaviours

### Module 2.0: Silverlight Development

- XAML and managed code
- Creating custom controls
- Control templates and styles
- Dependency properties
- Data Binding
- Visual State Manager
- Silverlight Networking including WCF, Sockets and Local Connections.

## Target Audience:

This course is intended for both novice and experienced .NET programmers who have a minimum of six months development experience and have basic Windows navigation skills.

## Prerequisites:

Before attending this course, students must have:

- Working knowledge of C#, HTML and JavaScript
- Highly recommended: web development knowledge (web development basics will not be covered in this course)