

20485CC

**Advanced Windows Store  
App Development Using C#**

**5 DAYS**

This course you will learn advanced programming practices and techniques that will help you develop Windows Store apps. In this course, you will learn how design and develop Windows Store apps, as well as implement advanced features, such as using location information, streaming media to external devices, and integrating with online services. You will also learn how to use Microsoft Visual Studio 2013 and Expression Blend tools.

### **Module 1: Windows Store App Essentials**

Review Windows Store App Essentials  
Review Windows Store App Essentials – Under the Hood  
Describe the Windows 8.1 platform, architecture, and features.  
Describe the process of creating user interfaces with XAML.  
Explain the new WinRT API model.

### **Module 2: Implementing Animations and Transitions**

Using Animations  
Working with Transitions and Transformations

### **Module 3: Implementing Globalization and Localization**

Working with Resource Files  
Implementing Culture-Specific Formatting

### **Module 4: Branding and a Seamless UI**

Branding  
Customizing the Splash Screen  
Branding Your App's UI

### **Module 5: Advanced Data Scenarios in a Windows Store App**

Windows Store App Storage Options  
Implementing Data Caching  
Advanced File Functionality

### **Module 6: Creating Reusable Controls and Components**

Working with Custom and Templated Controls  
Creating and Using WinRT Components

### **Module 7: The Windows Push Notification Service**

Introduction to The Push Notification Service  
Communicating with the WNS

## Module 8: Implementing Advanced Contract Scenarios

The Play To Contract

The Print Contract

Integrating Contacts and Calendars

Support PDF files and screenshots

Integrating Speech Synthesis

## Module 9: Capturing Media

Using CameraCaptureUI to Capture Pictures, Videos or Audio

Using MediaCapture to Capture Pictures, Video, or Audio

## Module 10: Background Tasks

Creating Background Tasks

Using Background Tasks in a Windows Store App

## Module 11: Working with Sensors and Devices

Working with Sensors

Working with Devices

## Module 12: Generating Revenue with Your Windows Store App

Implementing Trial Functionality in a Windows Store App

Implementing In-App Purchases

Advertising in a Windows Store App

## Module 13: Securing Windows Store App Data

Managing Windows Authentication

Managing Web Authentication

Encryption in Windows Store Apps

## Module 14: Tracing and Profiling Windows Store Apps

Analyzing a Windows Store App

Tracing a Windows Store App

Profiling a Windows Store App