

20482CC

**Advanced Windows Store  
App Development Using  
HTML5 and JavaScript**

**5 DAYS**

This course will teach you 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.  
Outline the process of creating user interfaces with HTML.  
Explain the new WinRT API model.

**Module 2: Implementing Animations and Transitions**

Implementing Animations  
Working with Transitions and Transformations

**Module 3: Implementing Globalization and Localization**

Working with Resource File  
Implementing Culture-Specific Formatting

**Module 4: Implementing Branding and a Seamless UI for Windows Store Apps**

Introduction to Branding  
Customizing the Splash Screen  
Branding the UI of Your App

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

Implementing Storage Options for a Windows Store App  
Implementing Data Caching  
Advanced File Functionality

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

Working with Custom Controls  
Creating and Using WinRT Components

**Module 7: Implementing Advanced Contract Scenarios**

Implementing the Print Contract  
The Play To Contract  
Integrating Contacts and Calendars  
Integrating speech synthesis

## Module 8: The Windows Push Notification Service

Introduction to the Push Notification Service  
Communicating with the WNS

## Module 9: Capturing Media

Using CameraCaptureUI to Capture Pictures, Video and 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 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 a Windows Store App

## Module 14: Tracing and Profiling Windows Store Apps

Tracing and Profiling a Windows Store App