

# MicroStrategy Education™

## 10.521 Advanced Mobile Customizations with SDK

### Course description

Customize a MicroStrategy Mobile app for organizational identity, image, and messaging. Learn techniques for customizing app response and behavior. Augment the potential of MicroStrategy Mobile by synchronizing changes to apps across devices, for example to support a Command Center or Operations Center. Provides advanced customization techniques including coding examples.

### Skills you gain

- Xcode and debugging techniques
- Create a mobile app and write code in Swift
- Mobile configurations in Mobile Server
- URL API for mobile
- Third-party app to generate branding assets
- Splash screen, intro animations, fonts
- Basic HTML, CSS, and JSON files
- Custom fonts in a mobile application
- XML documents
- Create a new Swift class with binding
- Install a toolchain in Xcode and use a toolchain to compile applications
- Custom AppDelegate for a mobile app
- Use extensions to add functionality to a class

### MicroStrategy products covered

- MicroStrategy SDK
- MicroStrategy Mobile

### Right for you if

You are an advanced software developer who wants to use the Mobile platform to its fullest potential

### Best class experience if you have

10.121 Overview of Enterprise Mobility  
10.213 SDK for Customizing Mobile Applications

Swift experience

Two mobile devices (iPhone and/or iPad)

### Topics

1. Introduction
  - Overview of MicroStrategy SDK
  - Xcode overview
2. Basic branding
  - Customizing MicroStrategy Mobile
  - Pre-configuring the mobile app
  - Adding credentials to the configuration
  - Changing app icons and splash screen
3. Advanced branding
  - Adding an animation to the app
  - Creating a custom help system
  - Using custom fonts
4. Using a custom AppDelegate
  - MicroStrategy Mobile's AppDelegate
  - Creating a custom AppDelegate
  - Adding functionality to the AppDelegate
  - Using an embedded or hosted JSON file for content
5. Using Command Center for mobile
  - Use cases
  - Setting up Command Center
  - Command Center scope
  - Using Command Center: Starting, joining, and leaving a conference