

## MS-600T00 Building Applications and Solutions with Microsoft 365 Core Services

### Overview

This course covers five central elements of Microsoft 365 platform – implementing Microsoft Identity, working with Microsoft Graph, extending and customizing SharePoint, extending Teams, and extending Office. In this course, students will learn how to implement Microsoft Identity and work with Microsoft Graph. Students will also gain the knowledge on UI elements (including Adaptive Cards and UI Fabric), Integration Points (including Microsoft Teams, Office Add-ins, SharePoint Framework, Actionable Messages), and determining workload platform targets. In implementing Microsoft Identity, students will learn to implement Microsoft identity including registering an application, implanting authentication, configuring permissions to consume an API, and creating a service to access Microsoft Graph. In working with Microsoft Graph, students will learn how to access user data, explore query parameters, manage a group lifecycle, access files, and optimize network traffic using Microsoft Graph. In extending and customizing SharePoint, students will learn about SharePoint Framework web parts, extensions, and how to package and deploy a SPFx solution. In extending Teams, students will look at the components of a Teams App, work with webhooks, tabs, and conversational bots. In extending Office, students work with Office Add-ins, task pane add-ins, JavaScript APIs, Office UI Fabric, and actionable messages with adaptive cards.

### Prerequisite Comments

Students should have 1-2 years experience as a developer. This course assumes students know how to code and have a basic understanding of REST APIs, JSON, OAuth2, OData, OpenID Connect, Microsoft identities including Azure AD and Microsoft accounts, Azure AD B2C, and permission/consent concepts.

It is recommended that students have some experience developing solutions on Microsoft Teams, Office Add-ins, or SharePoint Framework through all phases of software development.

### Target Audience

Students in this course are interested in Microsoft 365 development platform or in passing the Microsoft 365 Developer Associate certification exam.

Students should also have 1-2 years experience as a developer. This course assumes students know how to code and have a basic understanding of REST APIs, JSON, OAuth2, OData, OpenID Connect, Microsoft identities including Azure AD and Microsoft accounts, Azure AD B2C, and permission/consent concepts.

[Register Online](#)
**Schedule**

Class Length: 5 Days

 G2R = "Guaranteed to Run" | OLL = "Online LIVE"  
 ILT = "Instructor-Led-Training"

02/21/22	G2R	9:00AM - 5:00PM	Online LIVE	OLL	\$2,975.00
05/16/22	G2R	11:00AM - 7:00PM	Online LIVE	OLL	\$2,975.00

## Course Objectives

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Implementing Microsoft Identity  
Working with Microsoft Graph  
Determining workload platform targets  
Integration Points, including Microsoft Teams, Office Add-ins, and SharePoint Framework

## Course Outline

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### 1 - Implement Microsoft Identity

Microsoft Identity platform  
Register an Application  
Implement Authentication  
Configure Permissions to consume an API  
Implement Authorization to consume an API  
Implement Authorization in an API  
Create a Service to access Microsoft Graph

### 2 - Work with Microsoft Graph

What is Microsoft Graph  
Access user data from Microsoft Graph  
Data usage with query parameters  
Manage a group lifecycle on Microsoft Graph  
Access files with Microsoft Graph  
Optimize network traffic

### 3 - Extend and Customize SharePoint

SharePoint Framework web parts  
SharePoint Framework extensions  
Package and deploy a SPFx solution  
Consumption of Microsoft Graph  
Consumption of 3rd party APIs secured with Azure AD from within SPFx  
Web Parts as Teams Tabs  
Branding and theming in SharePoint

### 4 - Extend Teams

Microsoft Teams App  
Webhooks in Microsoft Teams  
Tabs in Microsoft Teams  
Messaging extensions in Microsoft Teams  
Conversational bots in Microsoft Teams

## 5 - Extend Office

Office Add-ins

Office JS APIs

Customization of Add-ins

Testing, debugging, and deployment options

Actionable message

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