

# Syllabus: Getting Started with Azure

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## Instructor

Alex Vazquez

## Office Location

Microsoft Teams

## Course Overview

The first of a 3-part series, the objective of this course is to help prepare you with the foundational concepts needed to help you start working with Microsoft Azure quickly. We will cover key basic concepts, walk you through creating an Azure subscription (see **Subscription Information** below), and lay down the foundation for the Machine Learning and Data sessions.

In this course, we will cover the following topics:

**Questions? Please submit them in advance of scheduled office hours at:**

<https://aka.ms/university-azure/questions>

- Introduction to Azure cloud computing.
- Basic functions: Azure Directories, Subscriptions, Resource Groups, Regions, Compute, Tour of Azure Services.
- Azure walkthrough.

And you will complete the following hands-on exercises:

- Exercise: Setting up your first Azure subscription\*\*
- Preparing for Machine Learning in Azure
- Preparing for Working with Data in Azure.

## Course Materials

- On-demand course videos: <https://aka.ms/university-azure/GettingStartedAzure>
- Scheduled Live Office Hours with Course Instructor

## Course Videos

Video Name	Video Title	Video Description	Video Time
Video 1A	Getting Started with Azure – Part 1	Introduction to Azure cloud computing. Part 1 covers the topics: <ul style="list-style-type: none"><li>• What is cloud computing</li><li>• Azure key concepts: Directories, Subscriptions, Resource Groups, and Regions</li></ul>	12:39

<b>Video 1B</b>	<b>Getting Started with Azure – Part 2</b>	Part 2 covers: <ul style="list-style-type: none"> <li>• What is Azure</li> <li>• How does Azure work</li> <li>• Azure compute overview</li> <li>• Tour of Azure services</li> </ul>	12:07
<b>Video 1C</b>	<b>Getting Started with Azure – Part 3</b>	Part 3 covers an Azure walkthrough part 1	9:53
<b>Video 1D</b>	<b>Getting Started with Azure – Part 4</b>	Part 4 covers an Azure walkthrough Part 2	13:28
<b>Video 1E</b>	<b>Getting Started with Azure – Part 5</b>	Part 5 covers an overview of additional learning resources	1:30
<b>Video 1F</b>	<b>Exercise - Setting up first Azure for Students Subscription</b>	<i>Exercise:</i> Setting up your first Azure for Students subscription.	7:04
<b>Video 1G</b>	<b>Exercise - Preparing for Machine Learning</b>	<i>Exercise:</i> Preparing for Machine Learning in Azure	5:40
<b>Video 1H</b>	<b>Exercise - Preparing for Working with Data</b>	<i>Exercise:</i> Preparing for working with data in Azure.	16:03

### **\*\*Azure Subscription Information**

For students taking this series, we recommend registering for an Azure for Students offer (<https://azure.microsoft.com/en-us/free/students/>) which requires a university email with a .edu extension.

Alternatively, if you cannot leverage the student offer, you may create a Free Azure Trial instead at <https://aka.ms/FreeAzure> for \$200 free credit for the first month.

### **Additional Resources**

- Microsoft Learn - Azure fundamentals: <https://docs.microsoft.com/en-us/learn/paths/azure-fundamentals/>
- Azure Machine Learning – <https://aka.ms/university-azure/azureML>
- Azure Data – <https://aka.ms/university-azure/dataintro>

## Course Schedule

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<b>Week</b>	<b>Subject</b>
Week 1	Watch On-Demand Course Videos (on your own)
Week 2	Live Course Office Hours with Instructor

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