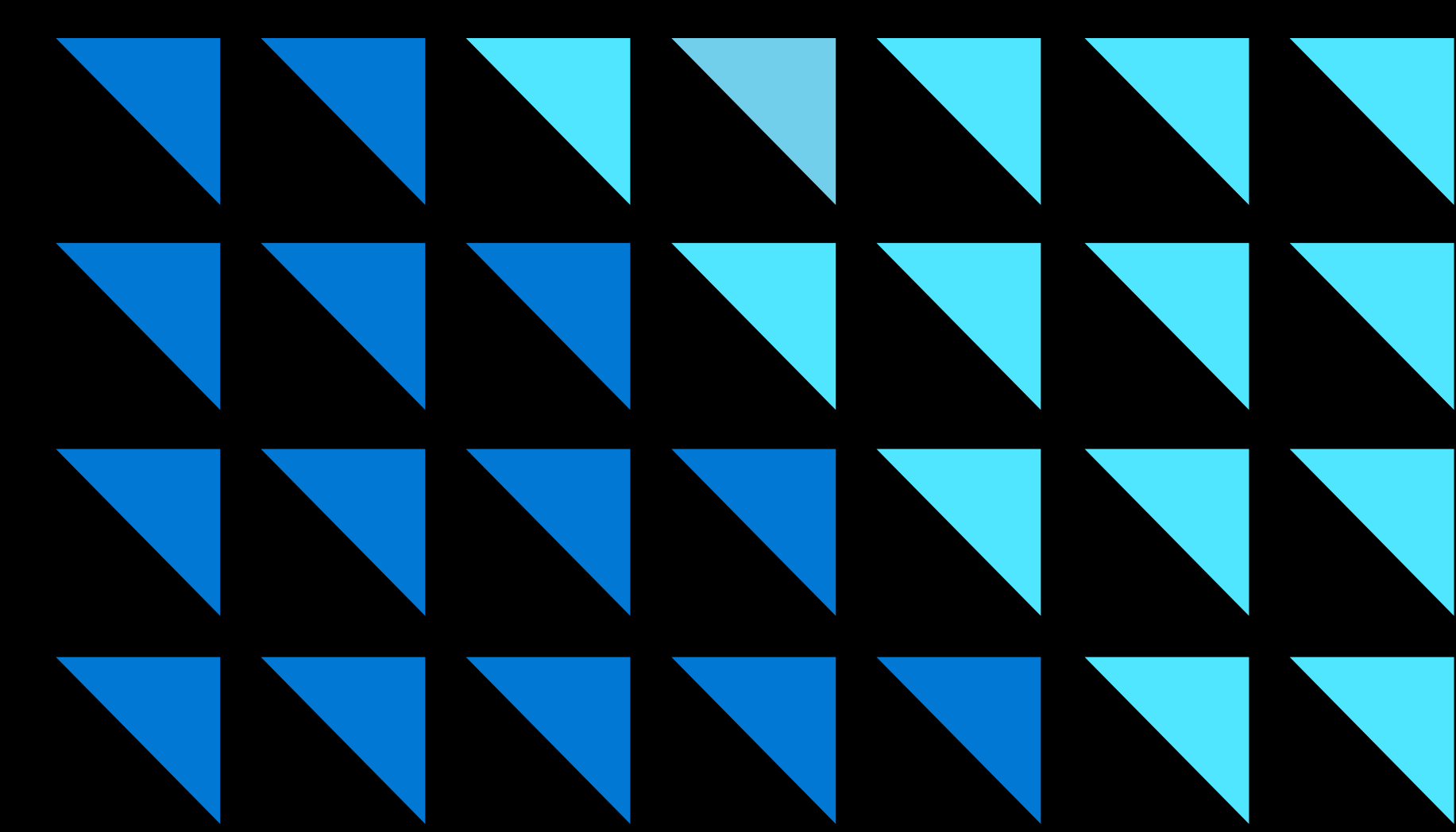


# Learning path for Azure Data Scientist



Azure Data Scientists apply Azure's machine learning techniques to train, evaluate, and deploy models that solve business problems.

[aka.ms/AzureDataScienceLearn](https://aka.ms/AzureDataScienceLearn)



Classroom

## Designing and Implementing a Data Science Solution on Azure DP-100T01



**Exam DP-100:**  
**Designing and Implementing a Data Science Solution on Azure**

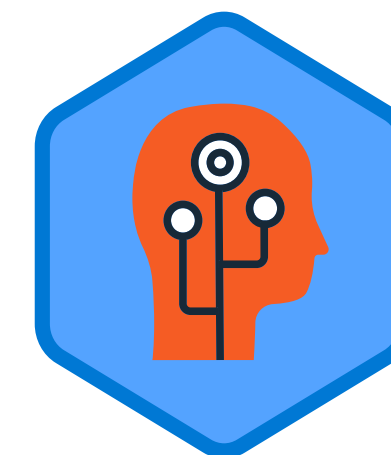
Digital skilling: free interactive training content on Microsoft Learn



### Azure fundamentals

9H 35M - 12 Modules

1. Principles of cloud computing
2. Introduction to Azure
3. Azure architecture and service guarantees
4. Create an Azure account
5. Manage services with Azure portal
6. Azure compute options
7. Azure data storage options
8. Azure networking options
9. Security, responsibility and trust in Azure
10. Apply and monitor infrastructure standards with Azure Policy
11. Control and organize Azure resources with Azure Resource Manager
12. Predict costs and optimize spending for Azure



### Build AI solutions with Azure Machine Learning service

3H 17M - 4 Modules

1. Introduction to Azure Machine Learning service
2. Train a local ML model with Azure Machine Learning service
3. Automate the ML model selection with Azure Machine Learning service
4. Register and deploy ML models with Azure Machine Learning service



### Perform data engineering with Azure Databricks

7H 49M - 9 Modules

1. Introduction to Azure Databricks
2. Access SQL Data Warehouse instances with Azure Databricks
3. Data ingestion with Azure data factory
4. Read and write data using Azure Databricks
5. Perform basic data transformations in Azure Databricks
6. Perform advanced data transformation in Azure Databricks
7. Create data pipelines using Databricks Delta
8. Work with streaming data in Azure Databricks
9. Create data visualizations by using Azure Databricks and Power BI



### Explore AI solution development with data science services in Azure

1H 40M - 2 Modules

1. Introduction to Data Science in Azure
2. Choose the Data Science service in Azure you need



### Get started with Machine Learning with an Azure Data Science Virtual Machine

1H 43M - 3 Modules

1. Introduction to the Azure Data Science Virtual Machine
2. Explore the types of Azure Data Science Virtual Machines
3. Provision and use an Azure Data Science Virtual Machine



### Extract knowledge and insights from your data with Azure Databricks

4H 21M - 6 Modules

1. Introduction to Azure Databricks
2. Read and write data by using Azure Databricks
3. Perform exploratory data analysis with Azure Databricks
4. Train, evaluate, and select machine-learning models with Azure Databricks
5. Deep learning in Azure Databricks
6. Perform text analytics with Azure Databricks

## Become a Microsoft Certified Professional

Certification helps establish your credentials with current and future employers.

Pass [certification exam DP-100](#) to become a Microsoft Certified: Azure Data Scientist Associate.

Training options help you learn new skills that may better prepare you for your career and lay the foundation for success on our certification exams. Information subject to change. For the latest information, visit [aka.ms/learn](https://aka.ms/learn).

Free digital skilling:  
[Microsoft.com/Learn](https://Microsoft.com/Learn)

Assess your skills at Pluralsight:  
[pluralsight.com/partners/microsoft/azure](https://pluralsight.com/partners/microsoft/azure)

Find a Learning Partner:  
[aka.ms/LearningPartner](https://aka.ms/LearningPartner)

Microsoft Certification:  
[aka.ms/RoleBasedCert](https://aka.ms/RoleBasedCert)

