

Sr. No.	Modules	Outcomes	Objectives
1	Design a machine learning solution	Design a data ingestion strategy for machine learning projects	Identify your data source and format
			Choose how to serve data to machine learning workflows
			Design a data ingestion solution
		Design a machine learning model training solution	Identify machine learning tasks
			Choose a service to train a model
			Choose between compute options
		Design a model deployment solution	Understand how a model will be consumed.
			Decide whether to deploy your model to a real-time or batch endpoint.
2	Explore the Azure Machine Learning workspace	Design a model deployment solution	Understand how a model will be consumed.
			Decide whether to deploy your model to a real-time or batch endpoint.
		Explore developer tools for workspace interaction	The Azure Machine Learning studio.
			The Python Software Development Kit (SDK).
			The Azure Command Line Interface (CLI).
3	Make data available in Azure Machine Learning	Make data available in Azure Machine Learning	Work with Uniform Resource Identifiers (URIs).
			Create and use datastores.
			Create and use data assets.
4	Work with compute in Azure Machine Learning	Work with compute targets in Azure Machine Learning	Choose the appropriate compute target.
			Create and use a compute instance.
			Create and use a compute cluster.
		Work with environments in Azure Machine Learning	Understand environments in Azure Machine Learning.

			Explore and use curated environments.
			Create and use custom environments.
5	Use no-code machine learning with the Azure Machine Learning Designer	Explore data with the Azure Machine Learning Designer	Explore the various steps in no-code Designer ML
		Train and compare models with the Azure Machine Learning Designer	Train model using no-code ML Designer
6	Automate machine learning model selection with Azure Machine Learning	Explore Automate Machine Learning	Explore the various steps in no-code automated ML
		Find the best classification model with Automated Machine Learning	Prepare your data to use AutoML for classification.
			Configure and run an AutoML experiment.
			Evaluate and compare models.
7	Use notebooks for experimentation in Azure Machine Learning	Track model training in Jupyter notebooks with MLflow	Configure to use MLflow in notebooks
			Use MLflow for model tracking in notebooks
8	Train models with scripts in Azure Machine Learning	Run a training script as a command job in Azure Machine Learning	Convert a notebook to a script.
			Test scripts in a terminal.
			Run a script as a command job.
			Use parameters in a command job.
		Track model training with MLflow in jobs	Use MLflow when you run a script as a job.
			Review metrics, parameters, artifacts, and models from a run
9	Optimize model training in Azure Machine Learning	Run pipelines in Azure Machine Learning	Create components.
			Build an Azure Machine Learning pipeline.
			Run an Azure Machine Learning pipeline.
		Perform hyperparameter tuning with Azure Machine Learning	Define a hyperparameter search space.

			Configure hyperparameter sampling.
			Select an early-termination policy.
			Run a sweep job.
10	Manage and review models in Azure Machine Learning	Register an MLflow model in Azure Machine Learning	Log models with MLflow.
			Understand the MLmodel format.
			Register an MLflow model in Azure Machine Learning
		Manage and compare models in Azure Machine Learning	Understand Responsible AI
			Reliability and Safety
			Transparency and Fairness
11	Deploy and consume models with Azure Machine Learning	Deploy a model to a managed online endpoint	Use managed online endpoints.
			Deploy your MLflow model to a managed online endpoint.
			Deploy a custom model to a managed online endpoint.
			Test online endpoints.
		Deploy a model to a batch endpoint	Create a batch endpoint.
			Deploy your MLflow model to a batch endpoint.
			Deploy a custom model to a batch endpoint.
			Invoke batch endpoints.
12	Design a machine learning operations (MLOps) solution	Design a machine learning operations (MLOps) solution	Explore an MLOps architecture.
			Design for monitoring.
			Design for retraining.