

PROFESSIONAL COURSE OUTLINE

Microsoft

DP-800

SQL AI Developer Associate (beta)

This course provides students with the knowledge and skills to design and develop AI enabled database solutions across Microsoft SQL platforms, including SQL Server, Azure SQL, and SQL databases in Microsoft Fabric. It is intended for professionals who build modern data solutions that integrate structured and semi structured data and incorporate AI features into scalable enterprise applications. It will also be valuable for individuals who develop applications that rely on SQL based data services enhanced with vector search, embeddings, and other AI driven capabilities.

Data

Intermediate

Azure

PROGRAM CODE

DP-800

DELIVERY

Virtual, On-site, or Hybrid

DURATION

3 days

CERTIFICATION

Microsoft Certified: SQL AI Developer Associate (beta)

AUDIENCE PROFILE

Who This Program Is For

The audience for this course is data professionals who want to learn about designing and developing AI-enabled database solutions across Microsoft's SQL platforms, including SQL Server, Azure SQL, and SQL databases in Microsoft Fabric. This role develops database solutions that include both structured and semi-structured data and integrates AI features into modern and highly scalable enterprise applications.

PROGRAM SUMMARY

What This Course Covers

As a candidate for this Microsoft Certification, you should have subject matter expertise in designing and developing AI-enabled database solutions across Microsoft SQL platforms, including Microsoft SQL Server, Azure SQL, and SQL databases in Microsoft Fabric.

TAILORED DELIVERY

Adapt the program around your team.

This outline can be adapted for virtual, on-site, or hybrid delivery, with emphasis adjusted for your team's platform priorities, role mix, and implementation goals.

Enterprise-ready delivery format

VNode ITeS can align labs, examples, delivery pace, and assessment checkpoints to the required audience profile while preserving the official program sequence where applicable.



Plan the next session

We can tune this outline around your delivery goals and team mix.

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COMPLETE MODULE SEQUENCE

Module Flow and Topic Coverage

The structure below presents the current delivery flow for this program, including the associated topics covered under each module.

1

MODULE 1

Design and develop database solutions

Learn to design and implement database objects, programmability objects, advanced T-SQL code, and AI-assisted tools for SQL Server, Azure SQL, and Microsoft Fabric.

- Design and implement database objects with SQL
- Implement programmability objects with SQL
- Write advanced T-SQL code
- Implement SQL solutions by using AI-assisted tools

2

MODULE 2

Secure, optimize, and deploy database solutions

Learn to protect data with encryption and access controls, tune query performance, implement CI/CD pipelines for database projects, and integrate SQL solutions with Azure services.

- Implement data security and compliance with SQL
- Optimize database performance
- Implement CI/CD by using SQL Database Projects
- Integrate SQL solutions with Azure services

3

MODULE 3

Implement AI capabilities in database solutions

Learn to design intelligent search, work with models and embeddings, and build Retrieval Augmented Generation (RAG) patterns in T-SQL.

- Design and implement models and embeddings with SQL
- Design and implement intelligent search with SQL
- Design and implement RAG with SQL

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