

**Azure SQL Data Warehouse Architecture and SQL**

**Course Number:** AZR-120  
**Duration:** 3 days

**Overview**

Accelebrate's Azure SQL Data Warehouse Architecture and SQL training course teaches attendees basic and advanced concepts of the Azure SQL Data Warehouse Architecture and SQL.

**Prerequisites**

No prior experience is required.

**Materials**

All Azure training students receive comprehensive courseware.

**Software Needed on Each Student PC**

Attendees will not need to install any software on their computer for this class. The class will be conducted in a remote environment that Accelebrate will provide; students will only need a local computer with a web browser and a stable Internet connection. Any recent version of Microsoft Edge, Mozilla Firefox, or Google Chrome will be fine.

**Objectives**

* Basic SQL Functions
* The WHERE Clause
* Distinct Vs. Group By
* Aggregation Function
* Join Functions
* Date Functions
* OLAP Functions
* Temporary Tables
* Sub-query Functions
* Strings
* Interrogating the Data
* View Functions
* Set Operators
* Data Manipulation Language (DML)
* Statistical Aggregate Functions

**Outline**

* Introduction to the Azure SQL Data Warehouse
* The Azure SQL Data Warehouse Table Structures
* Hashing and Data Distribution
* The Technical Details
* CREATE Statistics
* The Basics of SQL
* The Where Clause
* Distinct, Group By and TOP
* Aggregation
* Join Functions
* Date Function
* Temporary Tables
* Sub-query Functions
* Window Functions OLAP
* Working with Strings
* Interrogating the Data
* Table Create and Data Types
* View Functions
* Data Manipulation Language (DML)
* Set Operators Functions
* Stored Procedure Functions
* Statistical Aggregate Functions
* Systems Views
* Nexus
* Conclusion