

MTA Database Administration Fundamentals

Course Materials

Wiley, John & Sons, Inc. Database Administration Fundamentals, MTA 98-364, Wiley, 2012.
ISBN: 9780470889169

(This text is available as an e-textbook included in your enrollment. Students may find used, new, or rental print copies online or at local bookstores.)

Course Description

This course is designed to provide the student with the necessary skills, knowledge and abilities (KSAs) to gain an entry level IT position working with databases. In this course you will learn how to administer a database, understands data storage, grasp core databases concepts, create database objects, and manipulate data. When done with this course not only will you gain these valuable skills you will also be prepared to take the Microsoft Technology Associate (MTA) exam 94-364 for Database Administration.

Course Objectives

After completing this course, you will be able to:

- Administer a database
- Understand data storage
- Understanding core database concepts
- Create database
- Manipulate data

Course Prerequisites

There are no prerequisites to take MTA Database Administration Fundamentals.

Important Terms

In this course, different terms are used to designate tasks:

- Exam: A graded online test.

Course Evaluation Criteria

StraighterLine provides a percentage score and letter grade for each course. See [Academic Questions](#) section in FAQ for further details on percentage scores and grading scale. A passing percentage is **70%** or higher.

If you have chosen a Partner College to award credit for this course, your final grade will be based upon that college's grading scale. Only passing scores will be considered by Partner Colleges for an award of credit.

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There are a total of 1000 points in the course:

Topic	Assessment	Points Available
1	Topic 1 Quiz	110
2	Topic 2 Quiz	110
3	Topic 3 Quiz	110
4	Topic 4 Quiz	110
5	Topic 5 Quiz	110
6	Topic 6 Quiz	110
7	Graded Final Exam	300
7	Certification Attempt Submission	40
Total		1000

Course Topics and Objectives

Topic	Topic Title	Subtopics
1	Introduction to MTA and Certifications	<ul style="list-style-type: none"> • Introduction to Course • Computer Certifications • Microsoft Technology Associate Certificate • MTA Database Administration • Testing: What to Expect
2	Understanding Core Database Concepts	<ul style="list-style-type: none"> • Understanding Database Concepts • Understanding Data Manipulation Language • Understanding Data Definition Language
3	Creating Database Objects	<ul style="list-style-type: none"> • Defining Data Types • Creating and Using Tables • Creating Views • Creating Stored Procedures
4	Manipulating Data	<ul style="list-style-type: none"> • Using Queries to Select Data • Using Queries to Insert Data • Updating Data and Databases • Deleting Data
5	Understanding Data Storage	<ul style="list-style-type: none"> • Normalizing a Database • Understanding Primary, Foreign, and Composite Keys • Understanding Clustered and Non-Clustered Indexes
6	Administering a	<ul style="list-style-type: none"> • Securing Databases

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	Database	<ul style="list-style-type: none">• Backing Up and Restoring Databases
7	Course Final Examination and Certification Submission	